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Introduction to E*Justice

Integrated Justice Information Systems (IJIS) has long been a vision for county and state governments. Many jurisdictions have worked hard to bring together police chiefs, sheriffs, district attorneys, public defenders, court administrators, judges, and chief probation officers in an effort to improve the quality and accuracy of information they all use. Too often however, the price tag has been too high and/or security concerns of data access have been too great to proceed with a totally integrated justice information system. With the assistance of numerous members of the justice community, TRW Inc. has now implemented a new cost-effective and secure integrated justice approach that is rapidly being expanded to jurisdictions across the country.

The TRW E*Justice System™ provides a scaleable system that is built on the premise that while each jurisdiction has the same basic requirements, there are also variations in implementation of the local justice process. The versatile, modular, and robust design of E*Justice allows the core TRW product to be easily tailored to meet those local or regional requirements while providing full compliance with state and national standards.

The E*Justice System provides these major benefits to the Justice community:

- Provides electronic information sharing across all criminal justice agencies;
- Eliminates redundant data entry;
- Provides a tailorable workflow automation process to maximize efficiency and improve the management and allocation of resources;
- Provides a proactive notification and message system that builds on the workflow to alert all affected users or organizations of an event within the system that requires their attention or action and allows for data verification by a supervisor
- Employs a vigorous role-based security system and data audit trail that provide data access to only those with a need to know, thus ensuring citizen privacy;
- Employs a highly modular design so that changes can be made to one module of the application without impacting other E*Justice software capabilities;
- Major modules for Law Enforcement, Jail Management, and Courts/Attorney Management allow jurisdictions to implement E*Justice capabilities in a time-phased cost effective plan;
- E*Justice preserves prior investment in servers and desktop computers since it operates in virtually any environment that supports Oracle and Windows95 or 98;
- NIBRS and UCR data is collected and validated during initial data entry, making filing monthly reports easier and quicker.

Criminal Justice Integration

TRW has developed an Integrated Justice Information System (IJIS) that automates existing manual procedures, connects existing computer systems, shares information, and reduces redundant entry of data. E*Justice delivers these capabilities by facilitating the following organizational needs:

Automating Existing Manual Procedures

+ Forms processing
+ Inter-departmental information sharing
+ Electronic filing and retrieval of information
+ Electronic calendars
+ Computer-generated state / federal UCR/NIBRS forms

Relating People and Business Processes between Organizations

+ Shared data that is used by multiple agencies, departments, or jurisdictions
+ Store data once and share real-time
+ Shared business processes and data through role-based security
+ Searches of Master Name Index, Master Vehicle Index, Master Property Index

Connecting Computer Systems

+ Information sharing with public safety systems such as Computer Aided Dispatch (CAD) and E911
+ LiveScan/AFIS 10-print and single-print imaging
+ Web-enabled interface

E*Justice System provides the capabilities to transition from a traditional environment to an integrated justice environment. In the traditional environment depicted in Exhibit 1, each function is compartmentalized from the others, making the sharing of information and workflow management problematic. With the introduction of E*Justice into the environment, true integration can be achieved, as illustrated in Exhibit 2. Barriers are removed and information and work can flow freely throughout the justice environment.

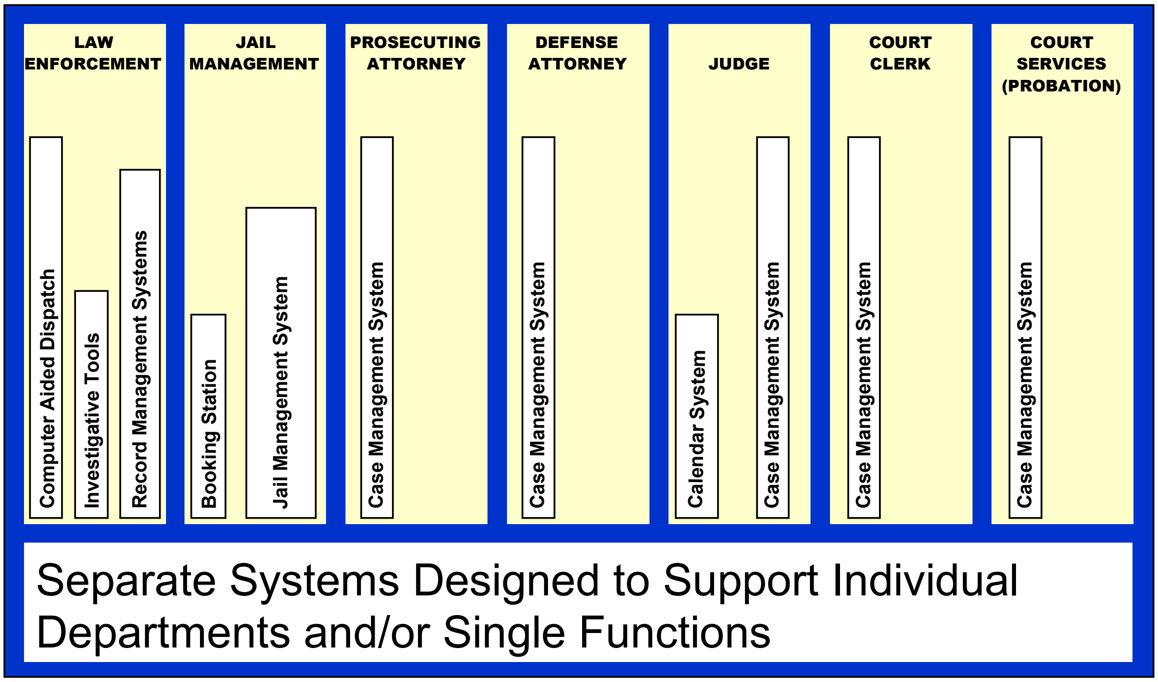


Exhibit 1. View of a Typical Justice Environment

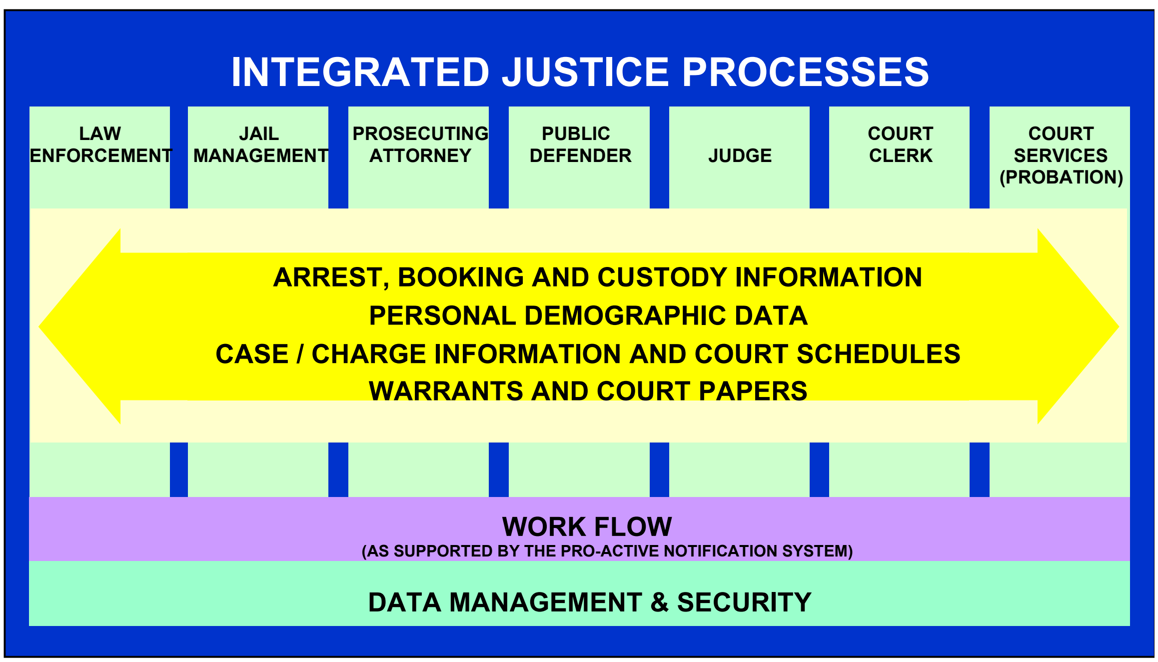


Exhibit 2. TRW's Implementation of Integrated Justice

TRW E*Justice System Features

E*Justice employs proven technologies to deliver the following advanced functionality:

+ Person-centric case management
+ Role-based security access
+ Mugshot imaging
+ 10-print LiveScan and Automated Fingerprint Identification System (AFIS) integration
+ Imaging capability (people, documents, property)
+ Barcode printing and integration with barcode readers for data retrieval
+ Seamless integration with external systems
+ Web access to public information
+ Comprehensive on-line help facility
+ Table-driven user/system set-up

E*Justice System components include comprehensive features that provide multiple benefits to users at all levels of the justice community:

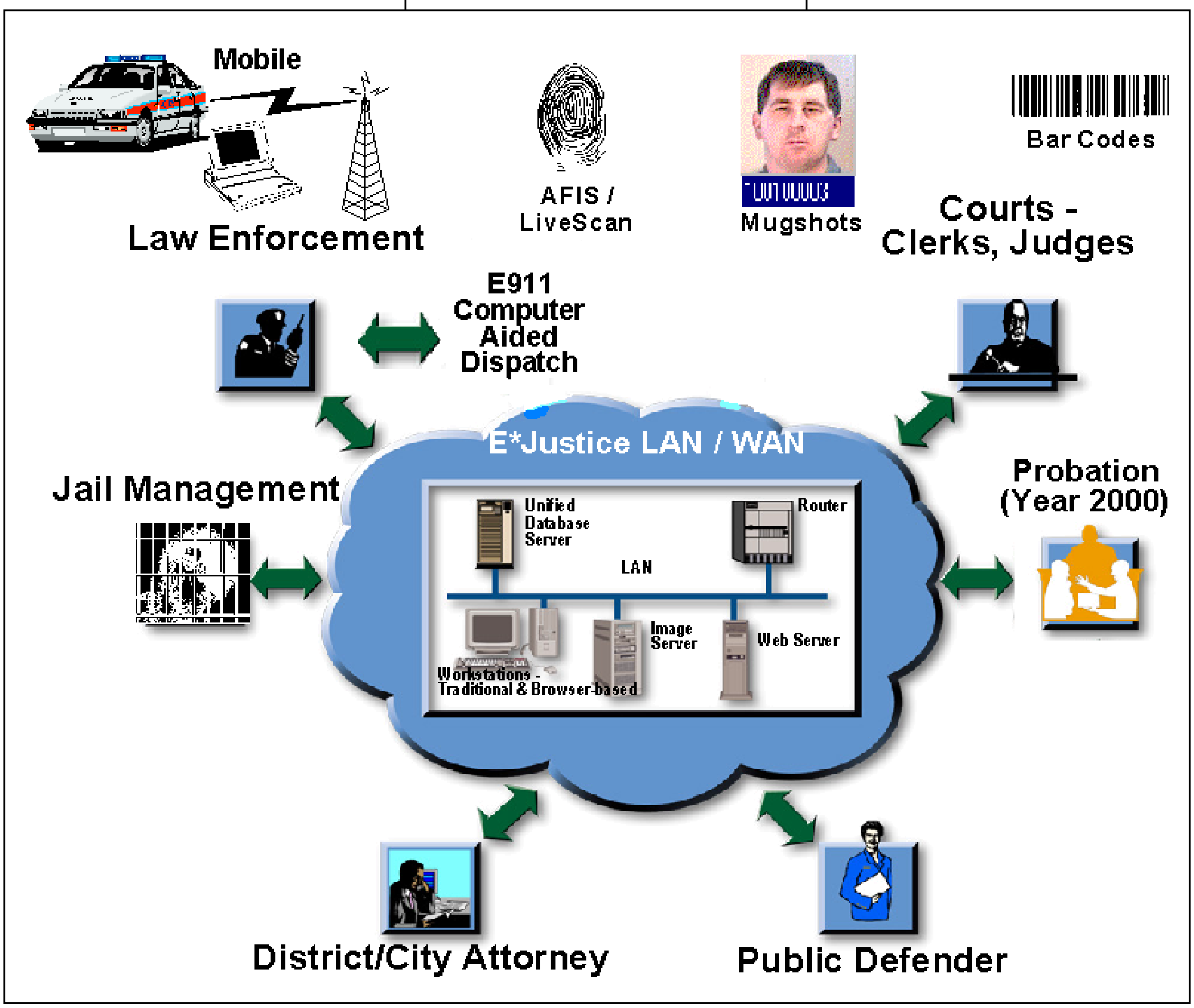
+ E*Justice features a flexible and intuitive Graphical User Interface (GUI). The interface has full support for navigation using either a mouse to point and click or a keyboard.
+ E*Justice features user-definable workflow automation, which allows users to intuitively understand the flow of the processes from function-to-function, and screen-to-screen.
+ E*Justice is scaleable, meaning it can be upgraded as the user's functional and hardware needs change.
+ Because the E*Justice application is modular, each component can be implemented separately or in concert with other modules delivering a fully integrated system that can be customized to meet customer needs.
+ E*Justice is image-enabled integrating document and photographic images directly into the database to provide easy access and maintenance.
+ E*Justice Security access is determined based on an individual's need to know and authority to change data.
+ E*Justice conforms to National Crime Information Center (NCIC) and National Incident Based Reporting System (NIBRS) data formats.

E*Justice Core Suite

The E*Justice System user interface is a series of software modules developed using Oracle Case Tools. The E*Justice System includes the following modules:

- Law Enforcement Suite
- Jail Management Suite
- Courts/Attorneys Suite
- Probation Suite (to be released in Year 2000)

E*Justice System



E*Justice Law Enforcement Suite

The E*Justice Law Enforcement Suite includes these main modules:

+ **E*Incident** (Incident Reporting including Property Management, Evidence Tracking and Case Management)
+ **E*Arrest** (Arrest Information)
+ **E*Evidence** (Evidence Management)
+ **E*Court Papers** (Service of Civil Process – returns, fees)

The Law Enforcement tab contains modules necessary to create, modify, and manage Incident Reports. LEA Case Management is also available to those users with supervisor access privileges. Note that only those components the user has access privileges to will appear on this screen following login.

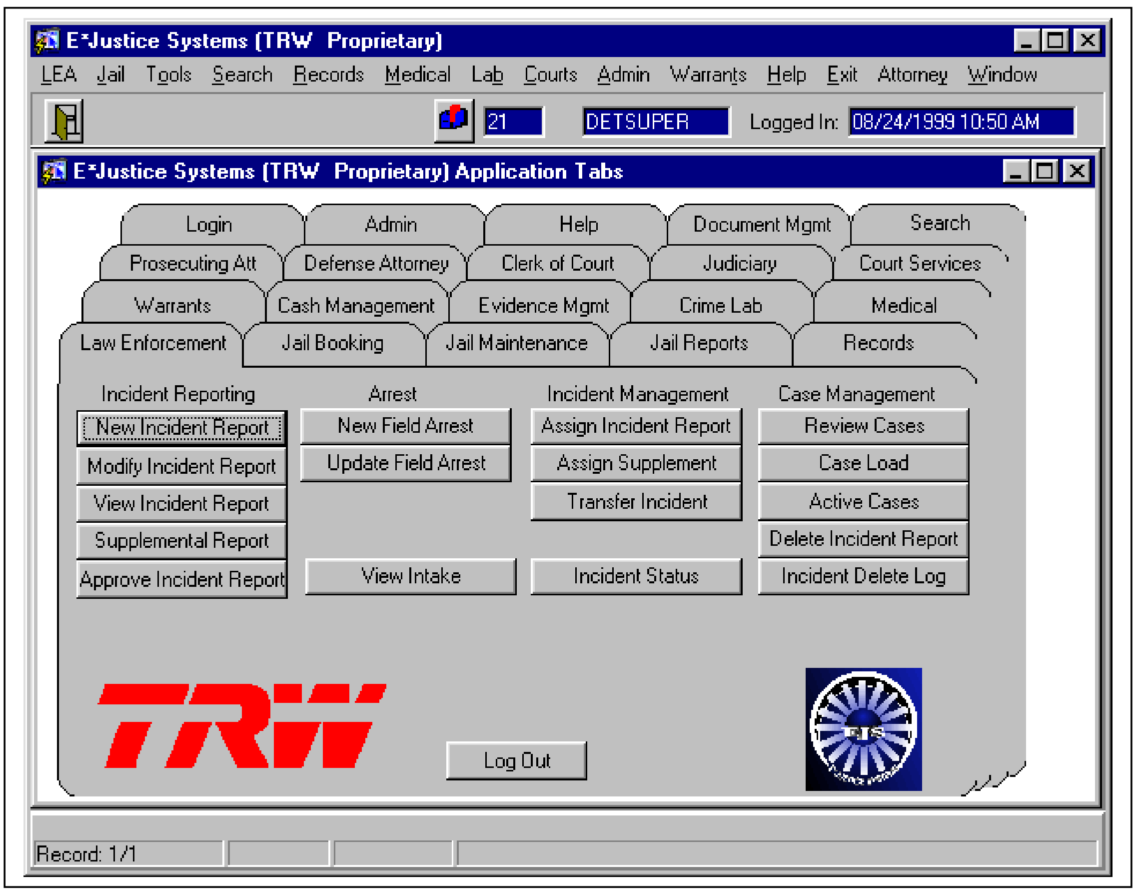
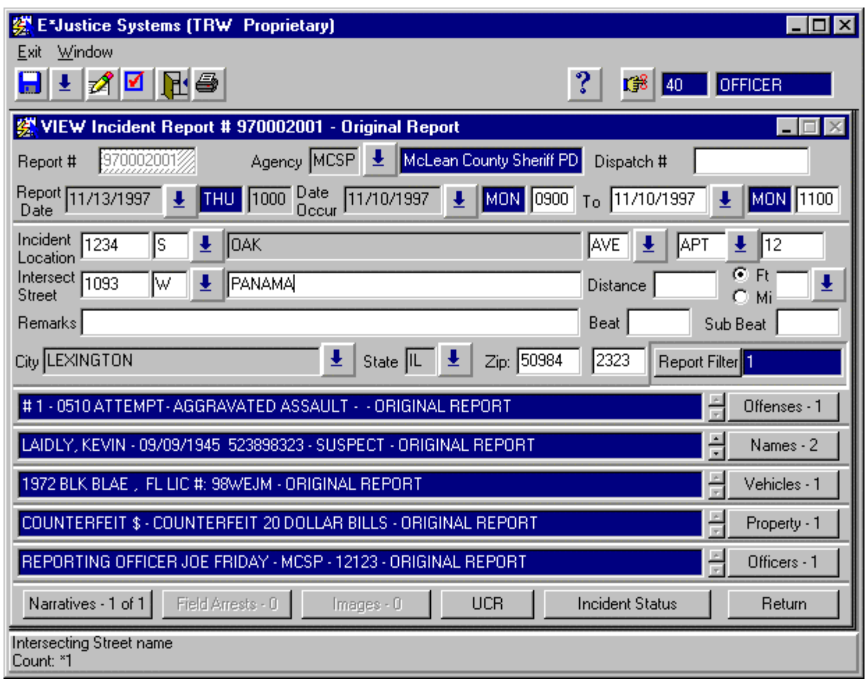


Exhibit 3. E*Justice Law Enforcement Tabs Window

E*Incident Module

E*Incident is a comprehensive case management tool for entering and retrieving law enforcement incident reports. E*Incident is intended for use by patrol officers, deputies and detectives as well as corrections officers. Incident report information includes: incident start date and time, incident end date and time, incident location, offenses, people involved (suspects, witnesses, arrestees, etc.), businesses involved, vehicles/boats, property (including evidence), images, and a narrative. Call for Service information can be imported from CAD. The narrative component of the E*Incident module includes integration to any word processing package available on the workstation. A series of screens is also available to capture data and identify relationships needed to satisfy the National Incident Based Reporting System (NIBRS) and Uniform Crime Reporting (UCR) requirements.



MCSP Incident: 970002017 **01/07/1999**
OFFICER FRIDAY, JOE - 12123 **Locker:9**
GUN - RIFLE

Color: **BLK/SIL**
Make: **REMINGTON** Model: **50 CAL**
Serial #: **T45V987432CC**
Misc #: **QW123VSD**
REMINGTON MODEL 30A 50 CALIBER SNIPER RIFLE W/ NIGHT SCOPE A

Property # **110000018**

Exhibit 4. E*Justice Incident Reporting Screen

Using the E*Notifications module, supervisors are notified when an incident report is ready to be reviewed. Supervisors have the capability to approve or disapprove a report and supply a message back to the officer indicating why the report was disapproved. The officer can then make the corrections and resubmit the report for approval. The information contained in a report cannot be changed after the report has been approved. If additional information is required after the original report has been approved, the officer can complete a supplemental report. Once the patrol officer has completed the report, the E*Incident module detective case management module allows a detective supervisor to assign cases to detectives, and to periodically review and approve their work.

LEA Case Management

LEA Case Management screens are used by detective and patrol supervisors to handle case management from initiation, review, assignment, and scheduling to reporting of case events. As supervisors review and assign cases, notifications are generated to the officer role responsible for handling that case. For example, if a detective supervisor reviews a case and sets the status to *'Patrol Assignment'*, a review case notification is sent to the patrol supervisor for review and assignment to a patrol officer. Once assigned a case, the patrol officer then receives a *Case Assigned* notification. If a case is transferred from a patrol assignment to a detective assignment, an *'Acknowledge Transfer of Case'* notification is generated to the officer from whom it was transferred.

LEA Case Management options include **Review Case, Case Load, Active Cases, and Delete Incident Report**. The **Case Load** screen provides statistical data about the number of cases assigned to a detective or patrol officer, incident details, case status, and related case notes.

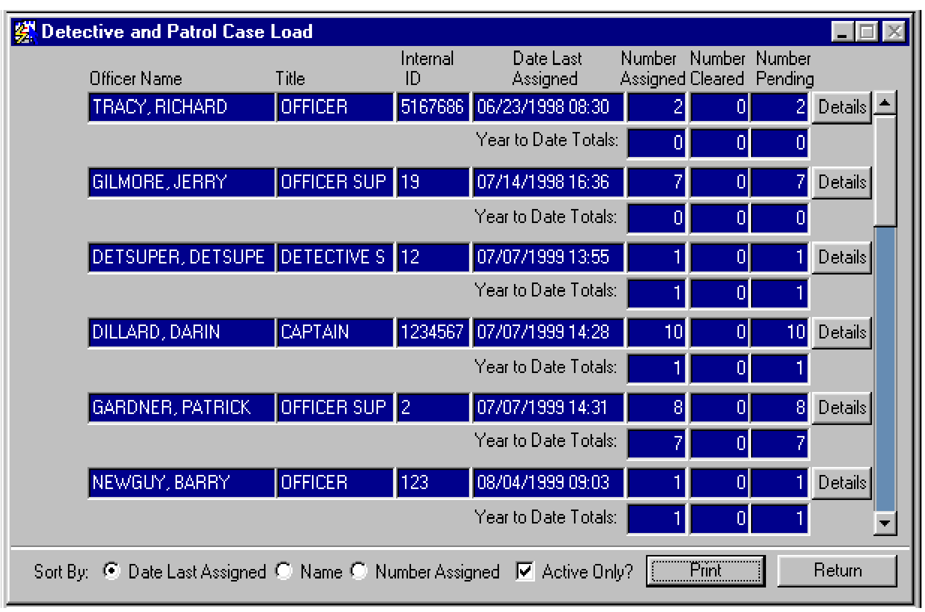


Exhibit 5. Detective/Patrol Case Load Screen

E*Arrest Module

E*Arrest provides the necessary functionality to accept custody of an inmate into the jail. This process is initiated by the arresting individual, usually a deputy sheriff or police officer, entering a Field Arrest into the system. A Field Arrest includes information such as the arrest date and time, arrest types, charges, warrants, officers involved, domestic violence victims, medical comments, towing information, and any other comments regarding the arrest. Once the law enforcement officer completes the Field Arrest, a notification is sent to the corrections staff informing them of a "Field Arrest Pending." Upon review of the field arrest by a corrections officer, the booking process begins, and the deputy or police officer is free to return to patrol duties.

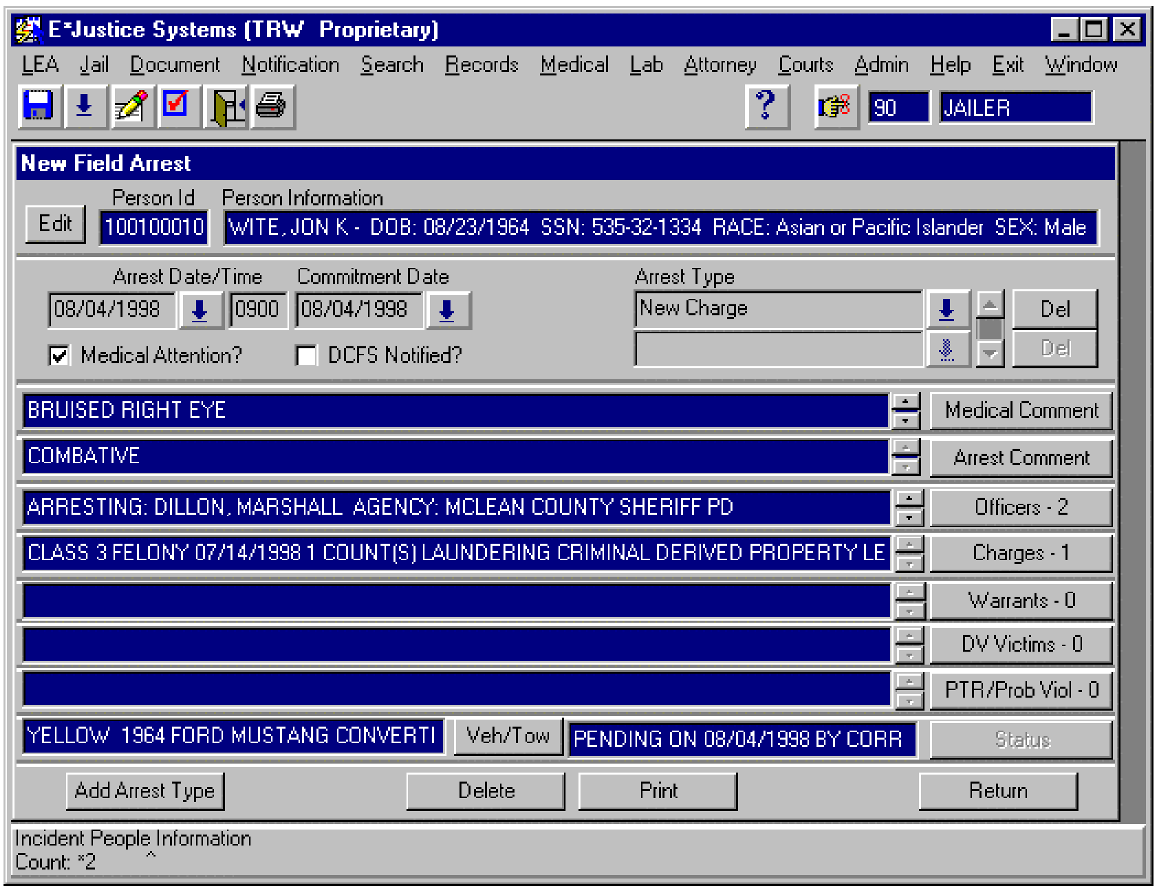


Exhibit 6. E*Justice New Field Arrest

E*Evidence Module

E*Evidence provides many functional components. Within E*Evidence, property can be associated with the incident and flagged as evidence. The fact that evidence exists is passed on to the prosecutor's office as part of the incident report. The evidence custodian receives notification when new evidence has been stored in an evidence locker and is ready to be deposited in the evidence room. The evidence custodian then uses the evidence Check-In, Check-Out function to assign the evidence a location within the evidence room and to control the inventory within the evidence room. A Chain of Custody record indicating evidence possession and location (e.g. testing, court, etc.) is automatically maintained as part of the check-in and check-out functions. The evidence custodian also has the ability to indicate the final disposition of evidence (i.e., destroyed or returned to owner), which is automatically reflected in the chain of custody. The E*Evidence module is integrated with label printers and barcode scanners to allow streamlining of data entry and retrieval. When evidence is in hand, E*Evidence allows the user to scan the barcode label on the evidence, and track it through this module. The E*Image module of E*Justice allows digital imaging of the evidence to be stored as a part of the incident reducing physical handling of evidence and avoiding possible corruption of the chain of custody.

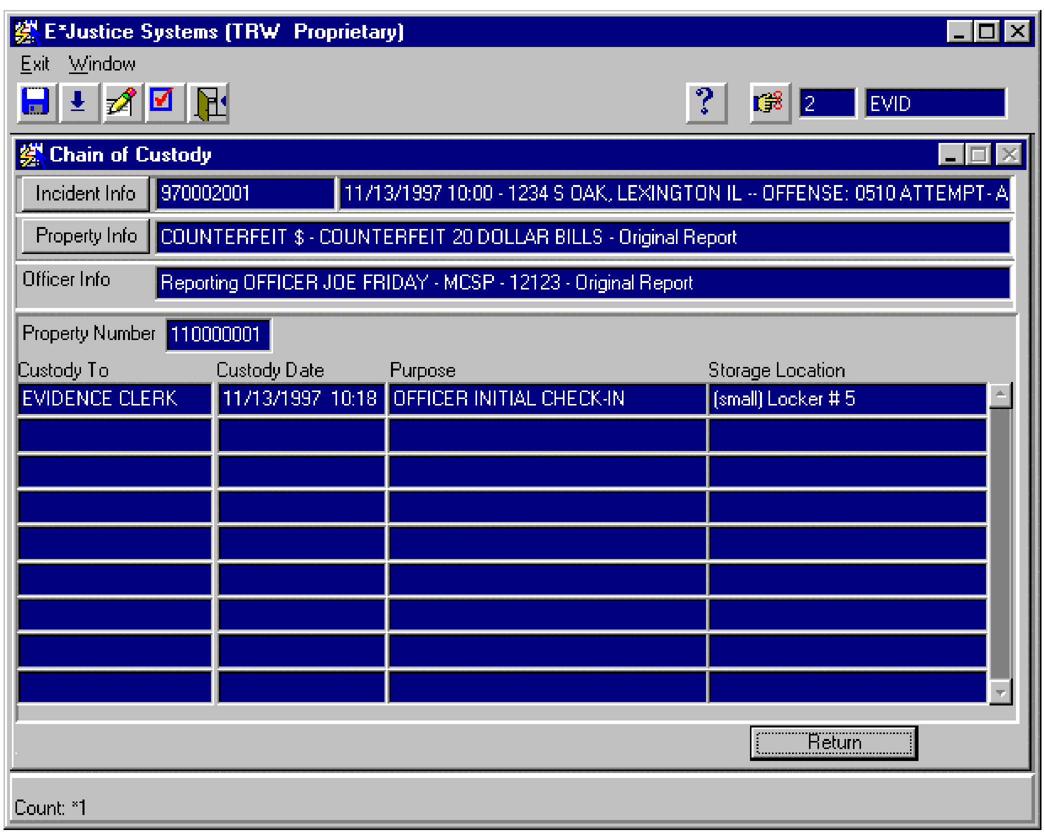


Exhibit 7. E*Justice E*Evidence Chain of Custody Screen

E*Court Papers Module

Using E*Court Papers, the sheriff's Process Division can manage service of process by entering comments on the jacket, change in the status of a court paper after it is served, and service/return information and a file date. If entering this function through a proactive notification, the **Court Paper Return** screen will open. If entering this function through modify mode, a search must first be conducted, and then the **Service/Return** button selected from the main **Court Paper** screen. The **Create Assessment, Advance Payment, Payments,** and **Payment History** buttons are used to assess new or adjusted fees, enter an advance payment prior to assessing fees, enter payments made for servicing or recording of the service of the paper, and to view the payment history for that court paper.

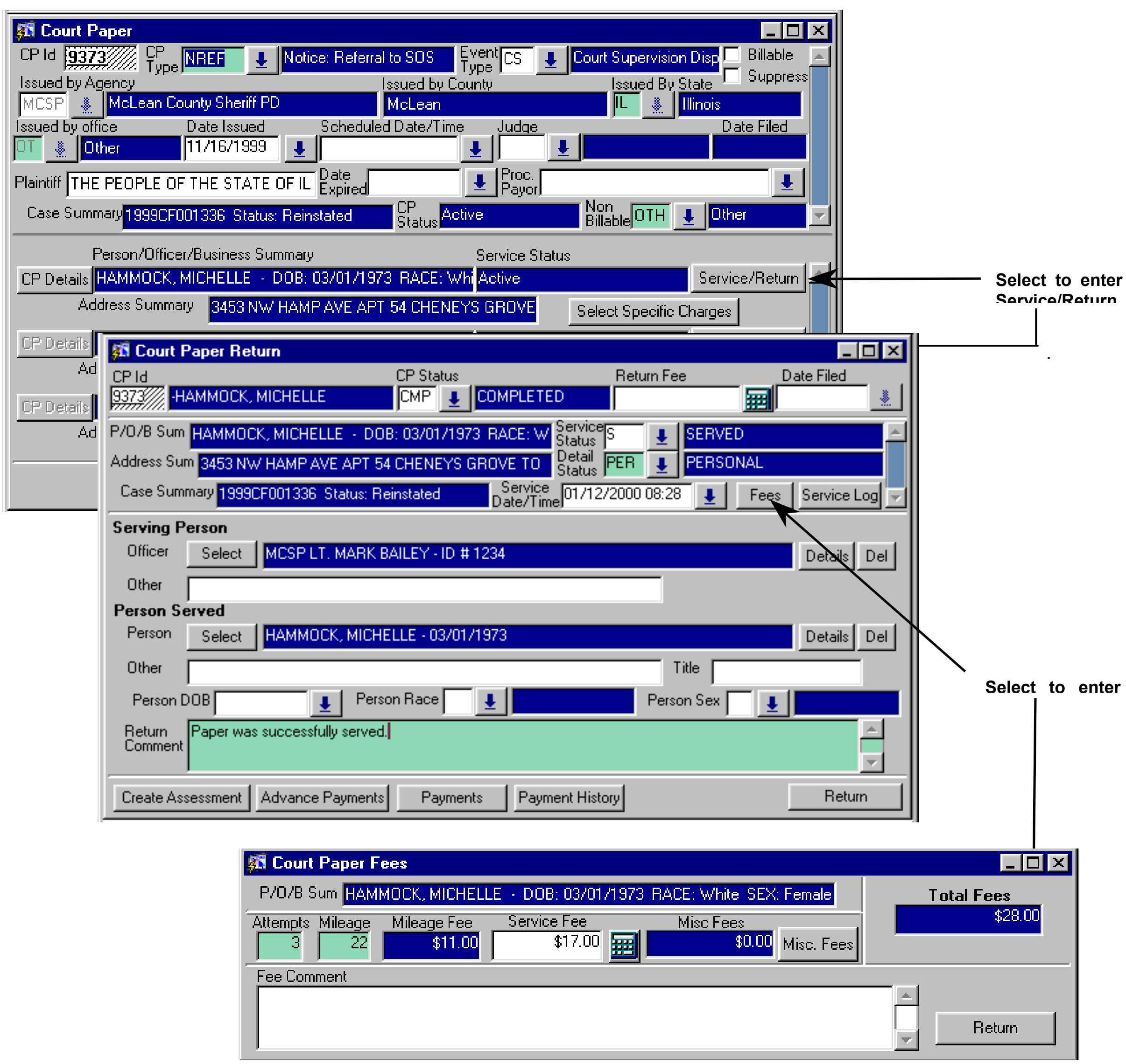


Exhibit 8. Court Paper Return Screen

E*Justice Jail Management Suite

The E*Justice Jail Management Suite includes these main modules:

+ **E*Booking** (Booking Management, LiveScan Information, Mugshots, SMT)
+ **E*Jail Management** (Jail Management including Jail Case Management, Commissary, Trust Accounting, and others)

*E*Booking Module*

After the arresting officer transports the suspect to the jail, E*Booking processes and books an inmate into the jail. This is a tailorable process that establishes a default sequence of screens specific to the jurisdiction and is easily modified to meet the evolving workflow needs of the client.

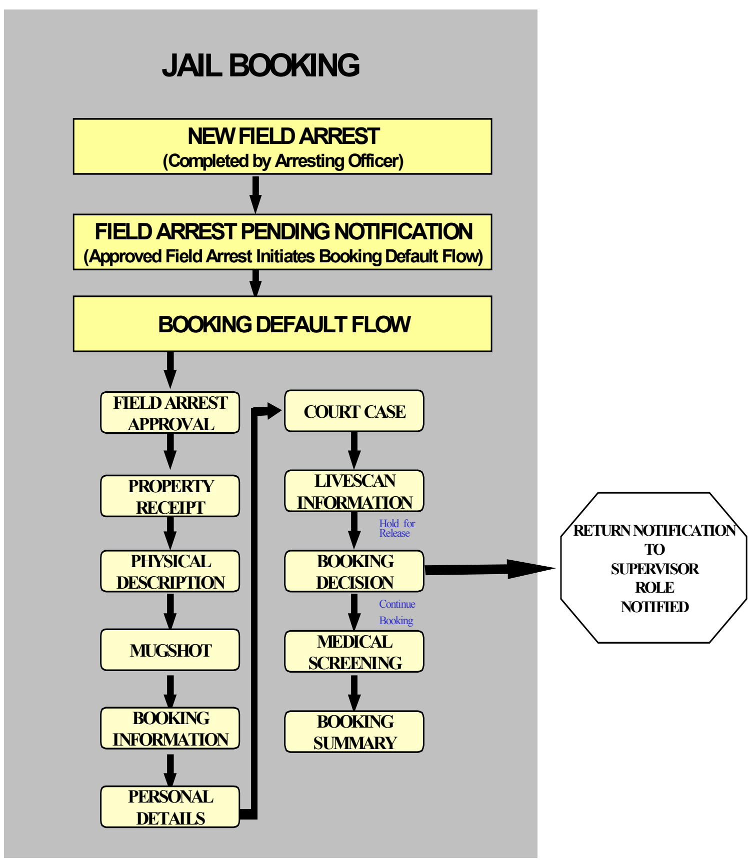


Exhibit 9. Sample Jail Booking Workflow

When the Booking Officer indicates that he or she is finished with the current screen in the booking process, the system automatically advances to the next screen in the series. The Booking Officer also has the ability to scroll backwards to previous screens in the default flow. The Booking Officer can interrupt the booking flow at any time in the process by clicking on the Interrupt button. When a flow is interrupted, the system automatically generates a Jail Notification message that requeues the booking in the Booking Officer queue. When the Booking Officer is ready to continue with the booking, the Notification is selected and the system returns the Officer to the screen where the booking was interrupted.

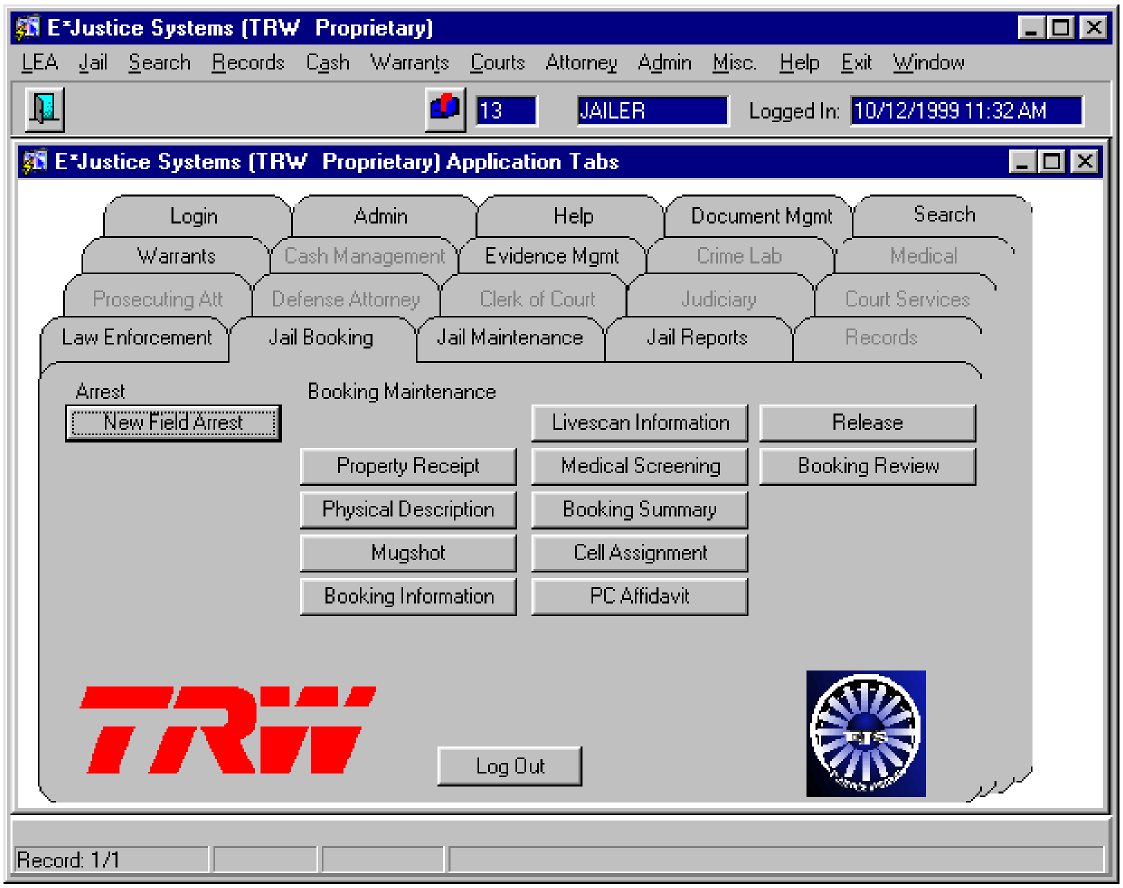


Exhibit 10. E*Justice Booking Tabs Window

Each step in the booking process has a screen for entering information. One example is the **Booking Information** screen, used by the Jailer to enter information pertaining to the arrestee. At the top of the screen, the person's summary information is displayed. The <u>Arrival Date</u>, <u>Arrival Time</u>, and <u>Condition at Booking</u> are mandatory fields and must be entered before leaving the screen. Checkbox fields are used to indicate certain medical conditions and/or other risks associated with the arrestee and will carry through the remainder of the booking screens. Other information is grouped by category and can be accessed by clicking on a tab. The jailer can enter other information about the individual (e.g., languages, special needs, next of kin/relatives/relations or other jail information) through the **Additional Information** button at the bottom of the screen.

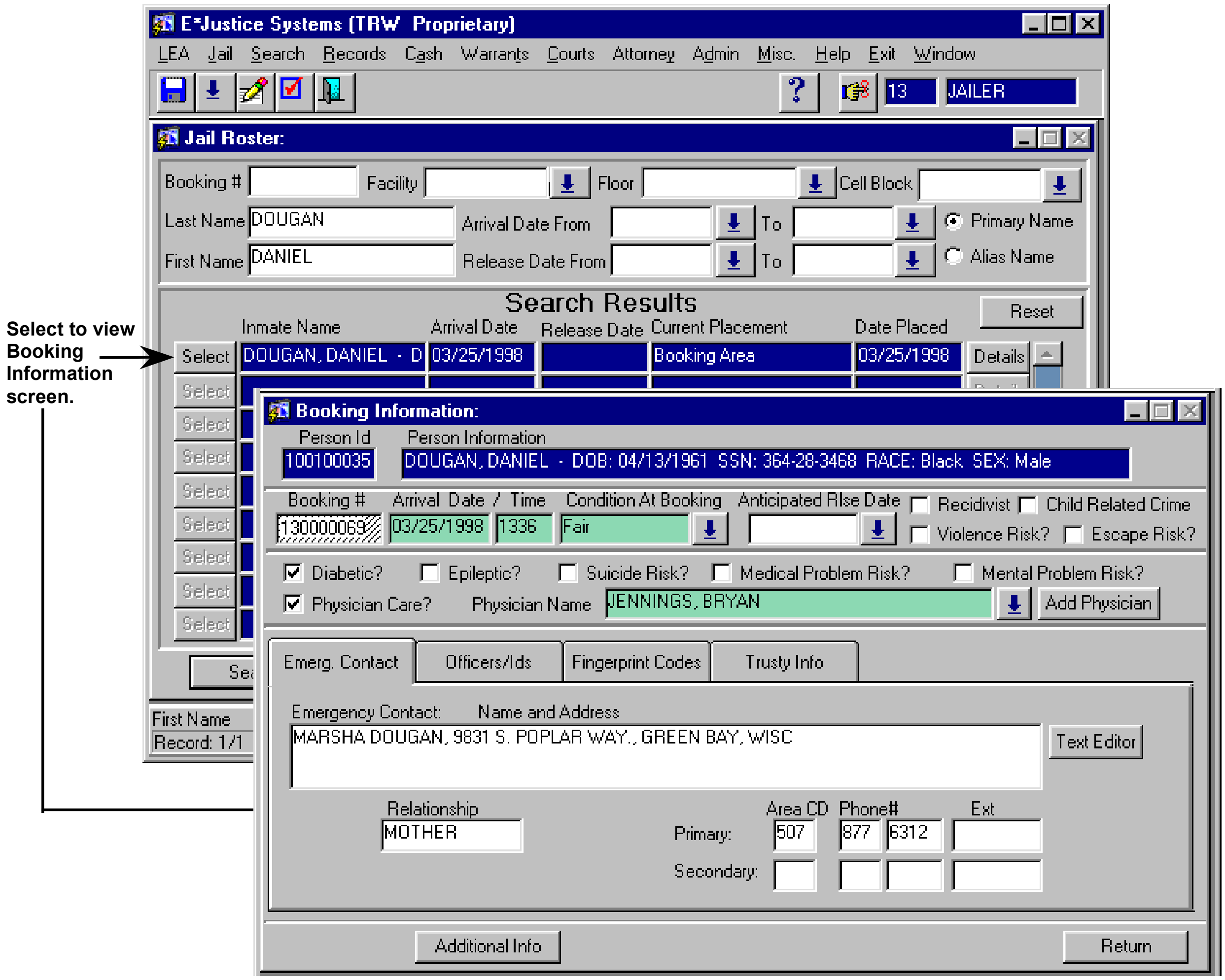


Exhibit 11. Booking Information Screen

LiveScan Information. The booking officer captures NIST-standard 10-print LiveScan data using any of a variety of LiveScan products for interface to AFIS systems.

Mugshot. The booking officer captures NIST-standard mugshots using a video camera. The mugshot is available to users to verify identity in cellblocks and for transport, and for photo lineups. See the description of the E*Imaging module below.

Scars, Marks, Tattoos (SMT). The booking officer captures SMT using a video camera, and describes them for later searching purposes.

E*Jail Management Module

E*Jail Management records and tracks all information associated with a prisoner after the booking process has been completed and the prisoner is moved to the jail or holding area. Jail Management functions are accessed by authorized staff on an event-driven or as-needed basis, and are used to track court appearances, medical visits, medication needs and schedule, transportation, and visitors. Inmate use of the commissary, and inventory of personal effects including cash balances are also contained in this module.

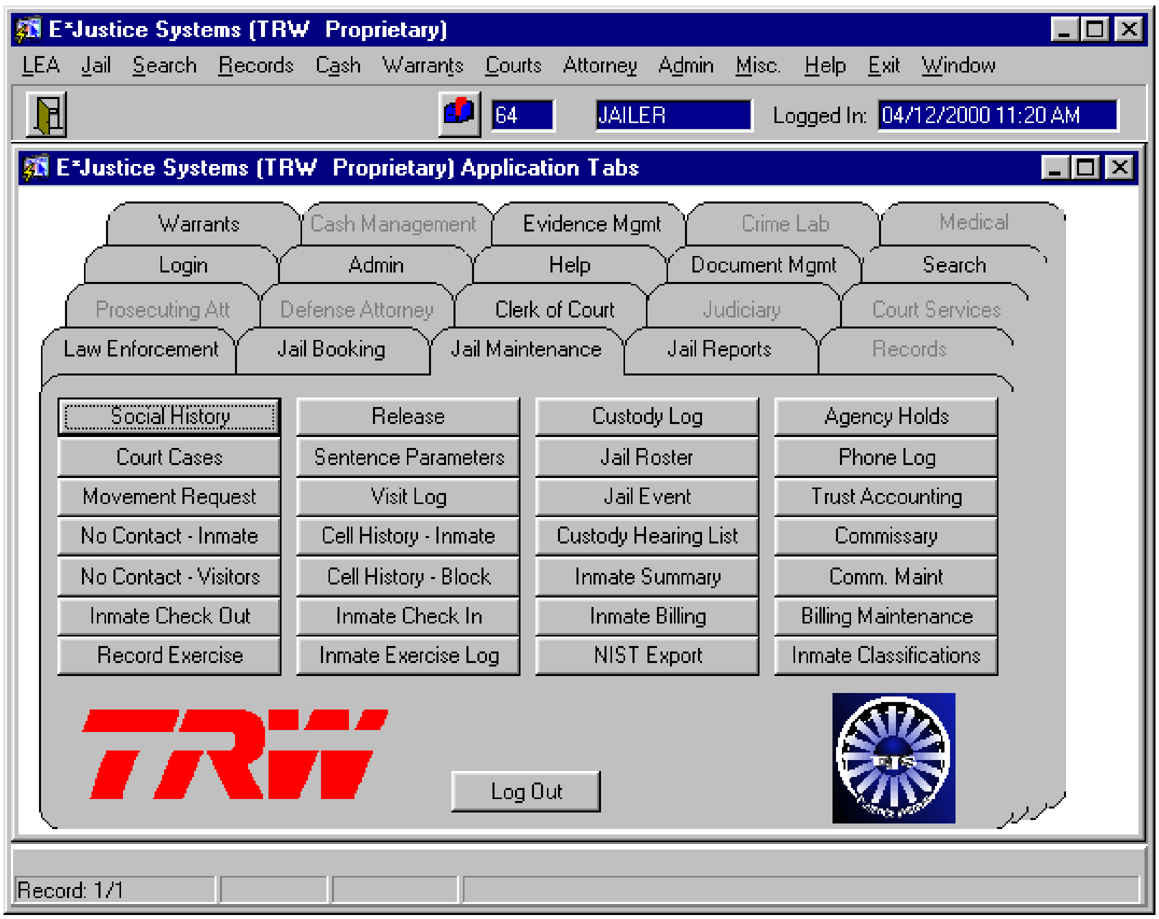
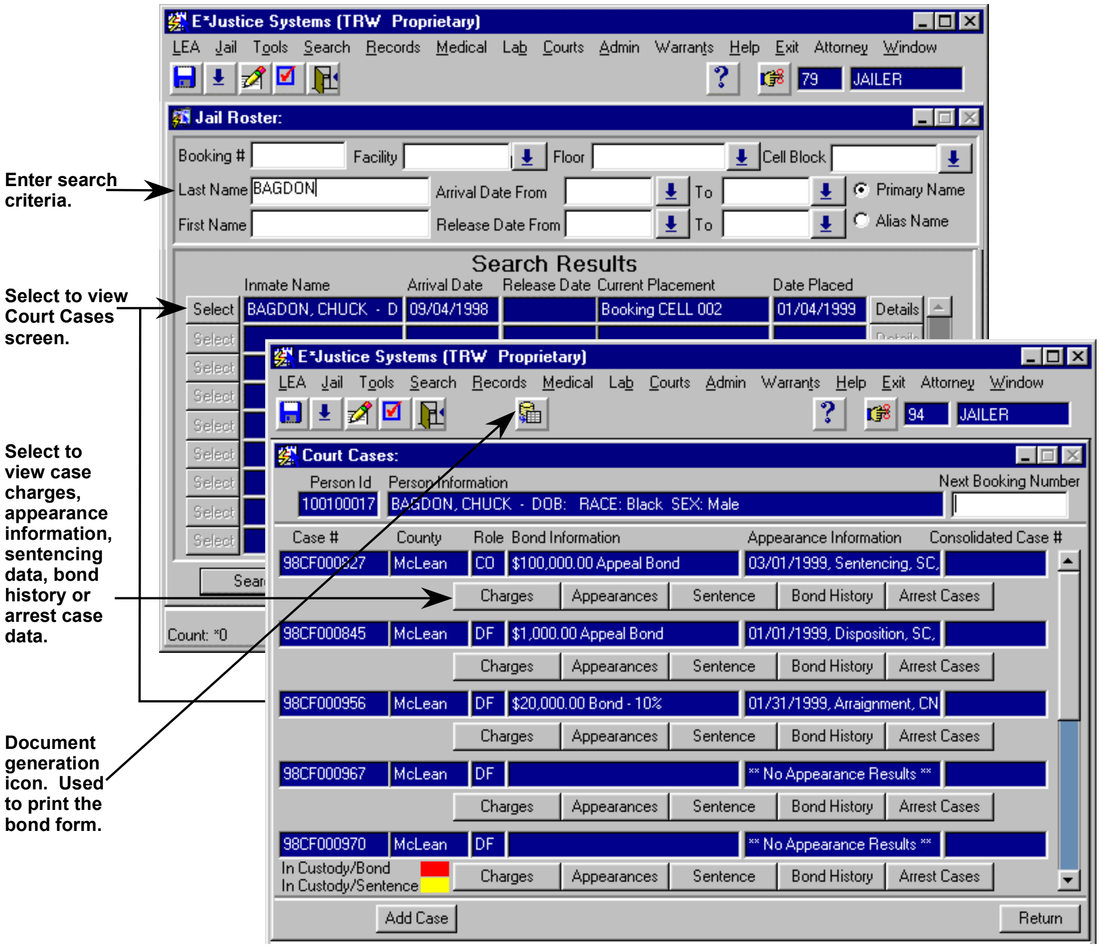


Exhibit 12. E*Justice Jail Management Tabs Window

Each button on the tab window has a screen for entering information. One example is the **Court Cases** screen, which displays court case activities either pending or completed for an individual, including a summary of the most recent court appearance for the case(s). Court-related information includes current bond requirements for release, and views of case charges, appearance information, sentencing data, bond history, and arrest case data.



NOTE: A red Case # field indicates the inmate is in custody with a bond.
A yellow Case # field indicates the inmate is in custody with a sentence.

Exhibit 13. Court Cases Screen

Jail Management Reports, including inmate file labels, property receipts, property labels, inmate histories, booking sheets, jail visit logs, jail events, jail phone logs, commissary price sheets, release sheets, and many more, are available as standard reports within the Jail Management module. Ad hoc reports can be generated using Oracle compatible query software such as Crystal Reports, or TRW will be pleased to write reports to client specifications.

E*Justice Courts/Attorneys Suite

The E*Justice Courts/Attorneys Suite includes these main modules:

- **E*Caseman** (Case Management for Courts, Prosecutors, Public Defenders, and Court Services)
- **E*Calendar** (Calendar and Scheduling Functions)
- **E*Cashman** (Cash Management for Clerk of Court)
- **E*Court Papers** (Summons/Subpoena Issuance)

*E*Caseman Module (Court Clerk, Judges)*

E*Caseman manages complete case processing of criminal, traffic, and ordinance violation cases from initiation through final disposition. It also produces statistical, management and administrative data for subsequent inquiry and report generation. E*Caseman records and maintains case history details on arrests and traffic citations, scheduling and appearance information, payment details, warrants, and financial transactions. Information captured and maintained by this module includes person, business, and officer information; case details including record sheet entries; fines, costs, and penalties associated with case processing and court events; current case status and activity logs; court paper (notice) generation; tracking of physical files; and judge and attorney management. A records clerk can perform the same actions with all cases from a single incident with Mass Case Processing.

Overlapping case management functions are available for Courts (both Judge and Clerk of Court), the Prosecutor's office, the Public Defender's office, and Court Services (Probation). Public, non-confidential information is viewable by other users with the appropriate security level.

Automated Record Sheet

- Shows case history at a glance, including these types of information:
  - Case events, including dispositions
  - Document filings, including documents generated by the court such as summonses and notices, and documents from external sources
  - Financial transactions
- Entries generated while performing a wide variety of clerk functions, including scheduling, recording dispositions, receipting payments, and issuing warrants
- Automatically records user ID, date and time of person making an entry

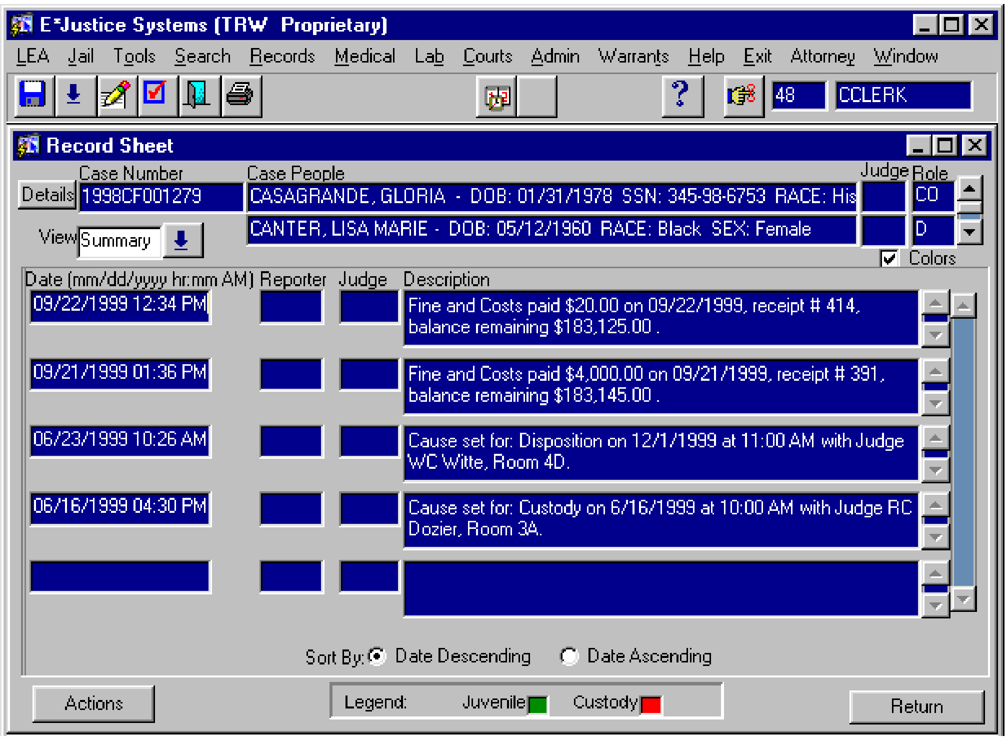


Exhibit 14. Record Sheet Screen in Summary View

Case Disposition and Sentencing

+ For each count or charge in a case, a clerk can enter any combination of the following elements:
  - Fine and costs, either separately or together, and payment terms
  - Restitution, including terms of joint and several liability
  - Length of time for probation, costs, and conditions
  - Length of time for court supervision or conditional discharge
  - Location and length of time for incarceration, less time served or suspended, to run concurrently or consecutively
+ Mass update of same disposition and sentence on multiple cases (including FTAs), and on specific multiple counts on the same case
+ Provide disposition reporting to user defined agencies

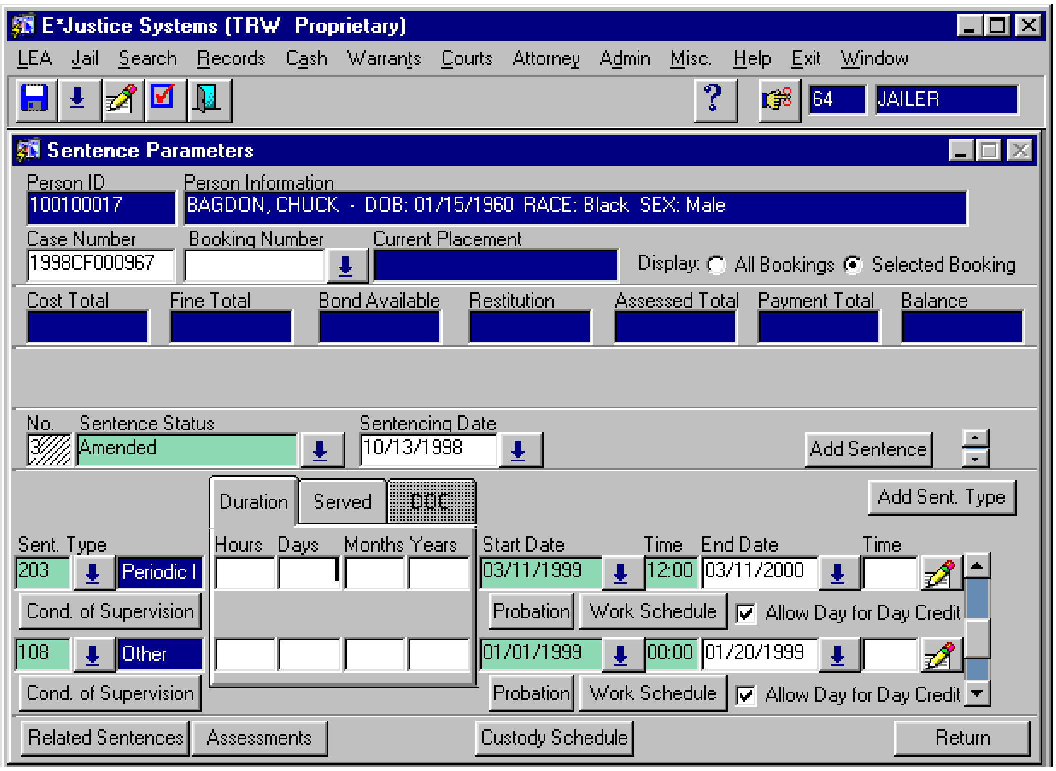


Exhibit 15. Sentence Parameters Screen

A clerk can check files in and out of the clerk's office, recording the date and name of borrower.

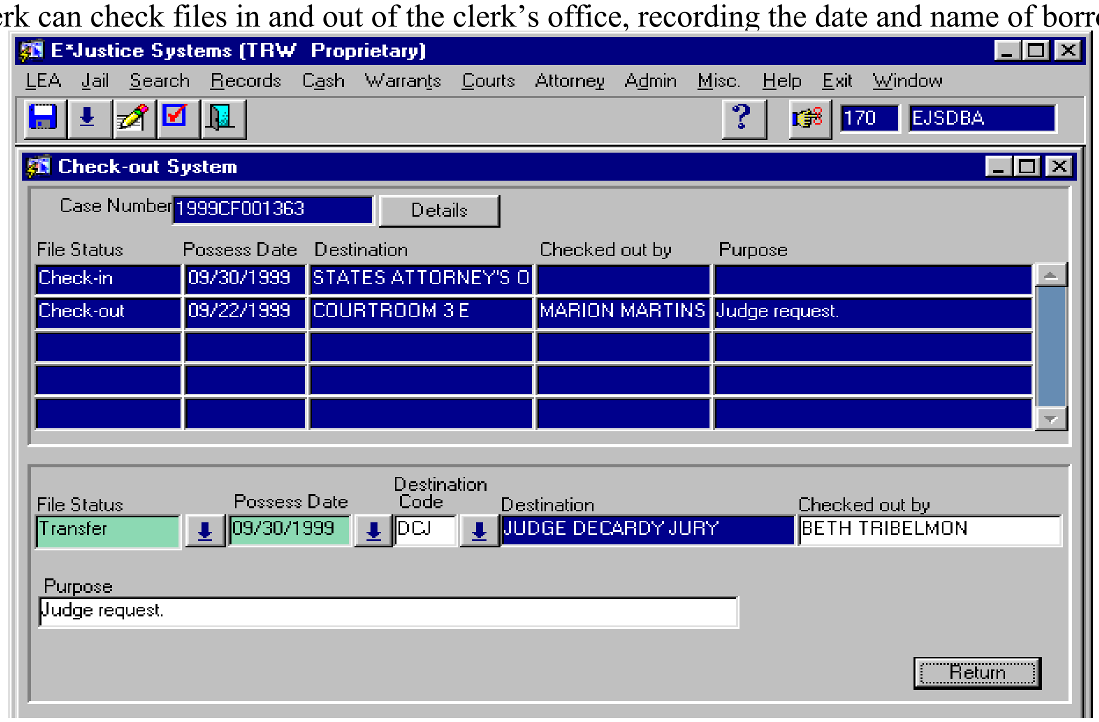


Exhibit 16. Check-In/Check Out System

E*Calendar Module

The E*Calendar module accommodates all calendar and scheduling needs of judges and the clerk in the case life cycle, beginning docket management with appearances by jail inmates, and continuing with all scheduled events to case conclusion. A clerk can enter single or multiple future court dates per case, print a judge's docket for a range of dates/times, reschedule individual or mass of cases by courtroom, judge, date, time; with automatic notice generation, and block/unblock court dates for weekend, holidays and individual judicial calendars, among other things.

The user can navigate to ***Charges***, ***Sentencing***, or ***Bond History*** from the scheduling screen.

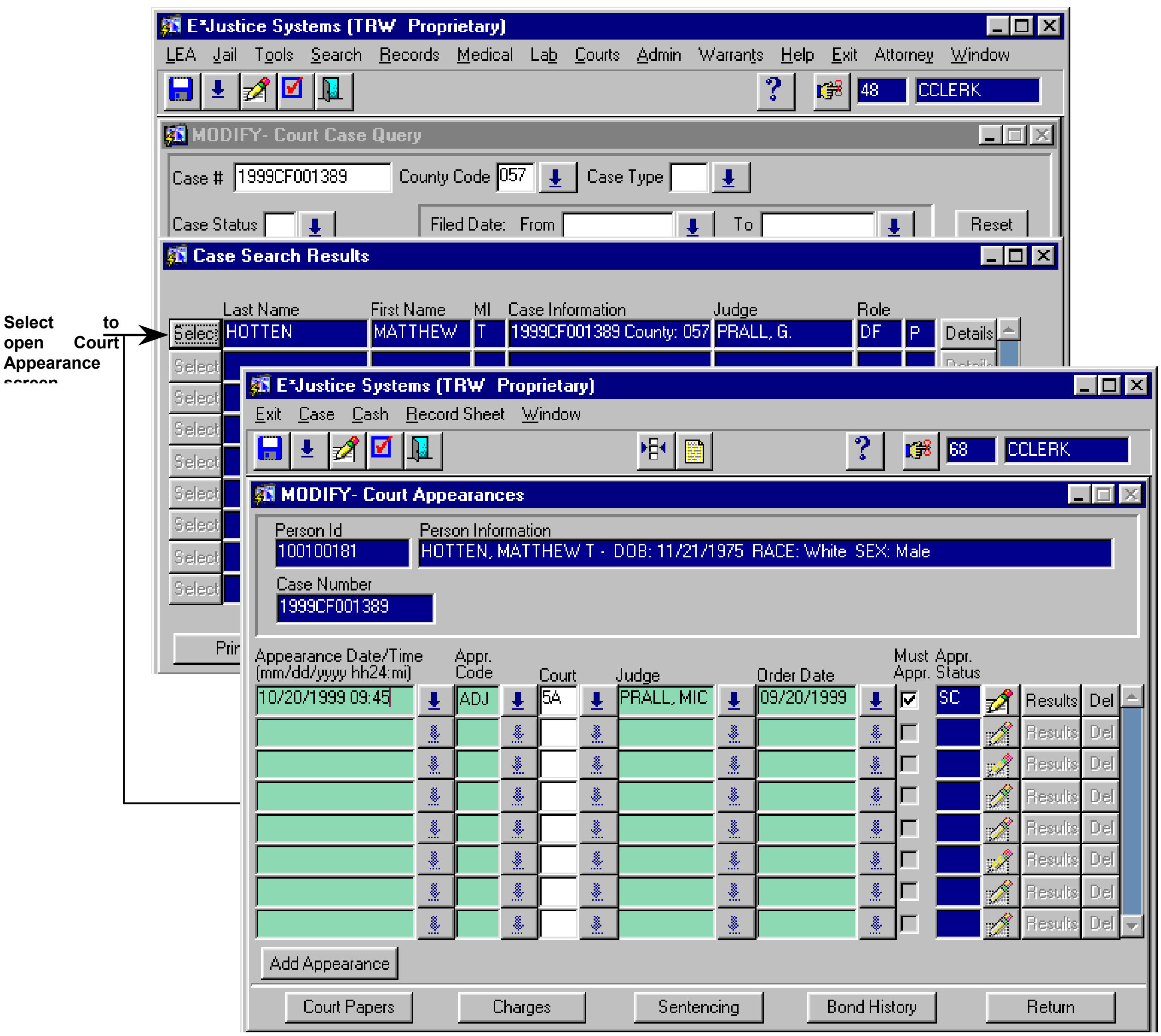


Exhibit 17. Court Appearance Screen

E*Cashman Module

E*Cash Management facilitates administration of the financial responsibilities of the Clerk of Court. Defendant case assessments are automatically calculated by individual account upon entry of the cost / fine amount. The ability to adjust the assessed amount provides additional functionality for the user. Individual payments by the defendant are tracked via a Cash Receipt function. The amount paid, description of the payment source, and a running balance by account are some of the major features this function provides. Selection of payment batch and the ability to record one or more payments per batch is also provided.

A Case Bond function has also been included in this module. This allows for tracking of bonds issued for a particular case including bond number, amount, type, description, assessment amount, amount paid, and balance are all tracked on a single screen. Case payment and bond payment histories for a defendant are also available.

The full range of other court accounting functions is available:

+ Bond accounting, including posting, forfeiture, assignment, reclassification, transfer, refund, and sureties
+ Reconciliation, including daily receipts and monthly bank account statements
+ Disbursement of fund accounts and restitution, both regularly scheduled an as-needed
+ Referral to agencies for collection of fines, fees, and restitution
+ State-mandated and user-defined reporting (online and hard copy)
+ History of financial transactions for a case, and outstanding balances of all cases for a defendant
+ Automatic logging of user ID, date and time of all transactions

Peripheral functionality for the E*Cashman module includes the capacity to maintain the accounting features used in the module. Administration of account names, charge categories, and payment batches is facilitated by use of specifically defined maintenance screens. Reports detailing daily transaction occurrences (summary and detail) as well as generation of transaction cash receipts have been incorporated into the module. Pull-down menus allowing the user to quickly navigate between the different module screens have also been included.

Account assessment using distribution patterns representing priorities of payment

Assessments can be made at the case level (felony or misdemeanor) or at the charge code level (traffic cases). This screen can be accessed by various roles from within the Cash Management and Case Management modules. The user's role dictates the information that can be viewed and the action that can be performed.

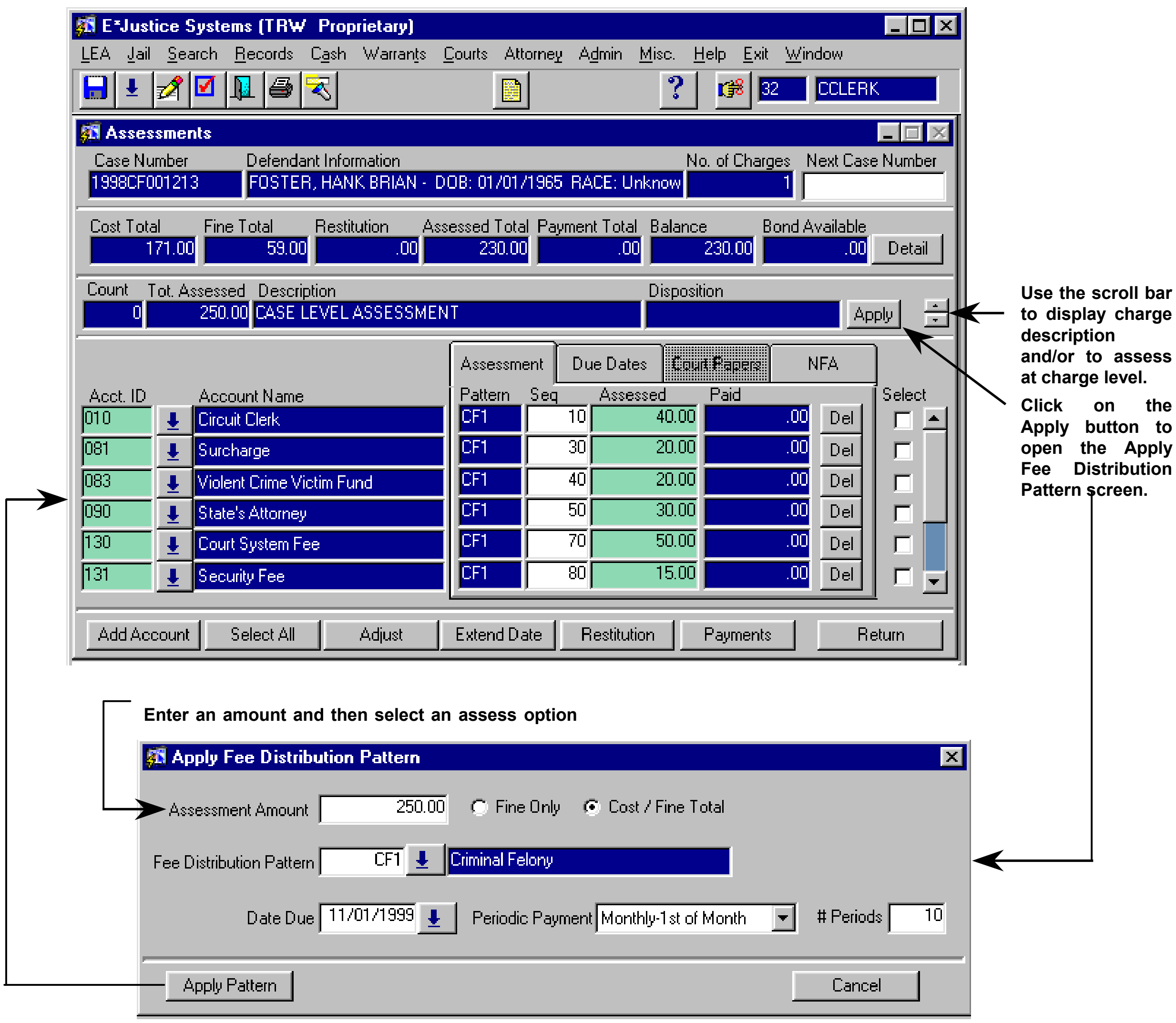


Exhibit 18. Assessments Screen

Cash receipts, both case-related and non-case related

The **Cash Payments** screen is used to apply a full or partial payment(s) to an assessed fine, cost, or restitution amount associated with a case.

From the Payments - Court Case Query screen, enter search criteria, and then click on the Search button.

From the search results screen, click on the Select button to open Cash Payments screen.

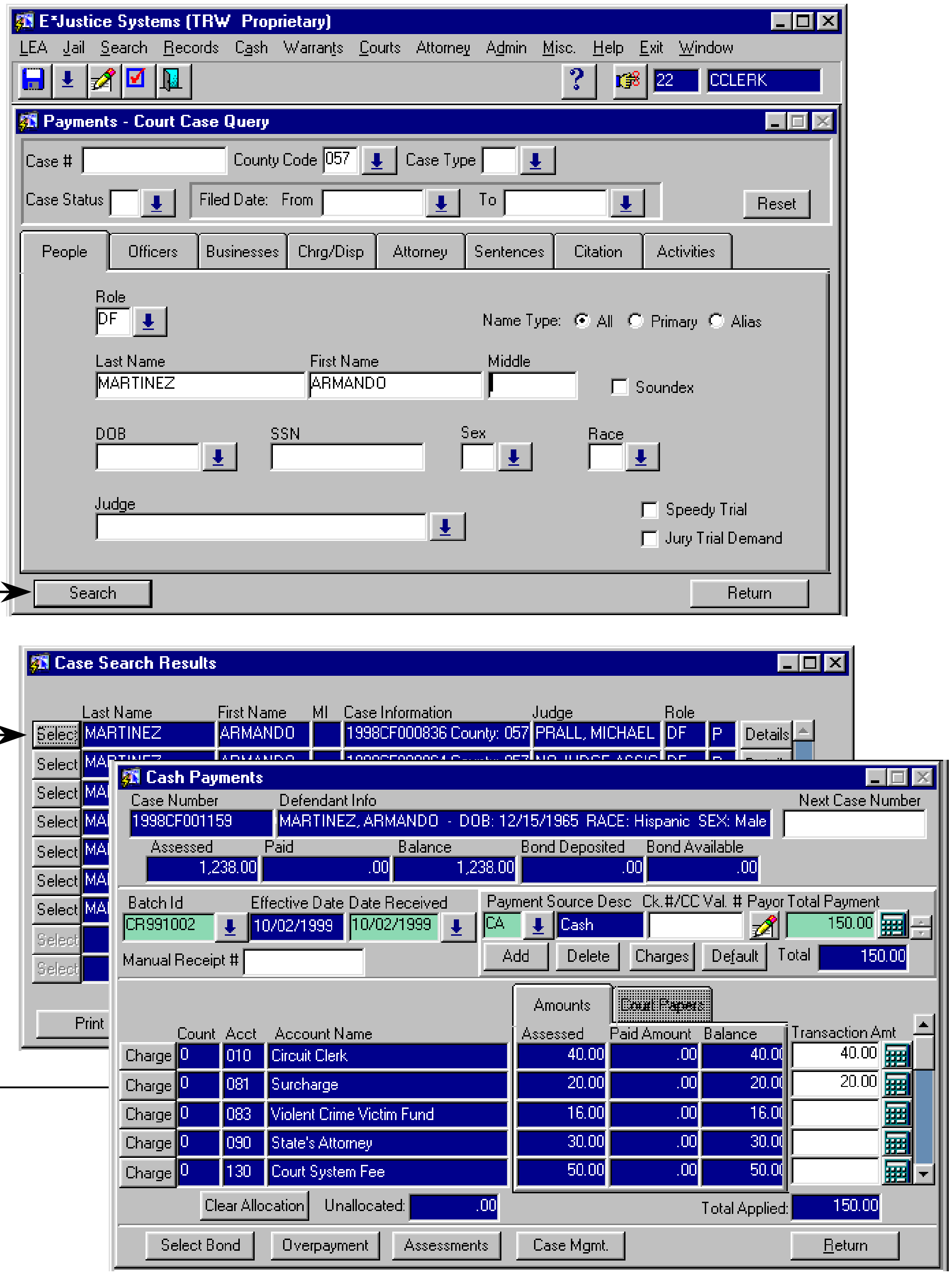


Exhibit 19. Cash Payments Screen

E*Court Papers Module (Clerk)

The E*Court Papers civil process module generates summons/subpoena, notifies the sheriff of its availability who prints hard copy and, after service, enters service information. Clerks generate summonses, and attorneys generate subpoenas, court forms, notices, protective orders, and other types of court papers (based on the user's role) from a pick list on the active screen. Court papers can be generated and issued separately or in a batch session. Custom reports and documents can also be created by the user and linked to the appropriate court paper pick list.

Attachments display information pertaining to the attachment type (e.g., contact person name, contact phone number, and appearance schedule date). The attachment list is automatically requested when a summons or subpoena is created.

Service Jacket displays information about the person, business, or officer to be served. Includes image, address, sex, race, DOB, jacket comments, and the Process Payor name and address.

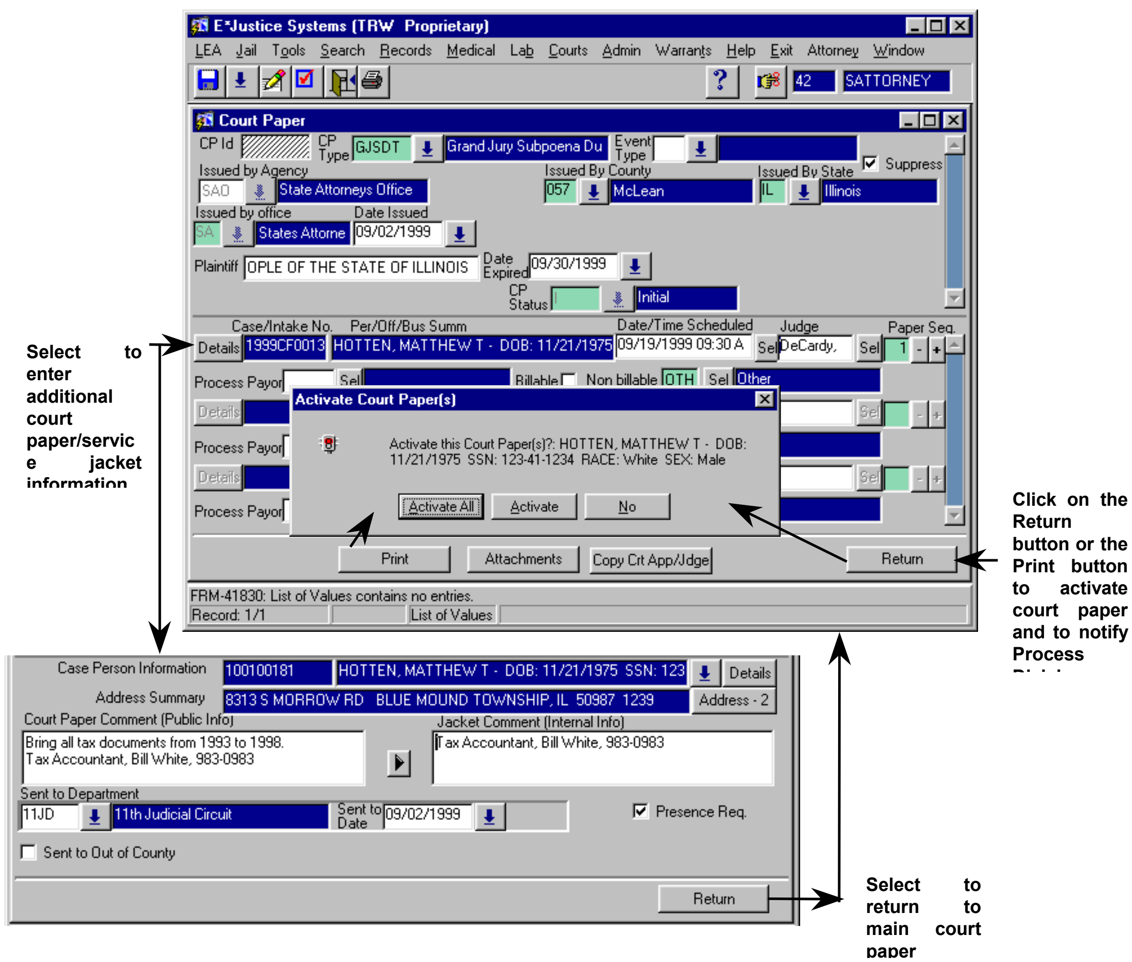


Exhibit 20. Create Court Paper

Attorneys have read-only access to **E*Caseman** and **E*Calendar**. See the **E*Justice Courts/Attorneys Suite** for a description of these modules.

*E*Caseman Module (Prosecutor)*

Case Initiation: The Prosecutor's office records data related to processing criminal intake reports and initiating case proceedings against a defendant. Information recorded and processed include related incident data, booking information if applicable, charges, the attorney assigned to the case, probable cause and follow-up narrative data, and court paper data. Security measures provide flags for each record to restrict public access.

If the incident was recorded in E*Justice, the Prosecutor attaches the report to the intake, or declines to charge and notifies the Officer submitting the report that either no charges were filed, determination could not be made until further investigation, or that a referral to defer prosecution has been made..

Modify Intake: The Prosecutor can modify intake data before requesting a case number from the Clerk of Court, modify charges following case number assignment.

Both the Prosecutor and Public Defender can modify or print related court papers (subpoenas).

Court Case Query: The Prosecutor and Public Defender can search for a specific case in the system. When a case is found, a series of tabs provides case-related data:

People :	Queries for person case role, person details, name type, assigned judge, and trial type.
Officer:	Queries for agency and/or officer.
Business:	Queries for business name, type, or case role.
Chg/Disp:	Queries for specific charge code, plea, offense dates, disposition, class, inchoate offense, and category type.
Attorney:	Queries for attorney name, registration number, attorney type, and case role.
Sentence:	Queries for up to two different sentence types.
Citation:	Queries for ticket number, State District code, agency code, violation type, accident type, citation dates, township occurrence, and must appear order. If case information is not included in your search and only citation information is entered, citations without a case will be listed. Otherwise, the query will only display citations that have the case criteria specified at the top of the screen.
Activities:	Queries for specific court activity and the number of days the activity is open.

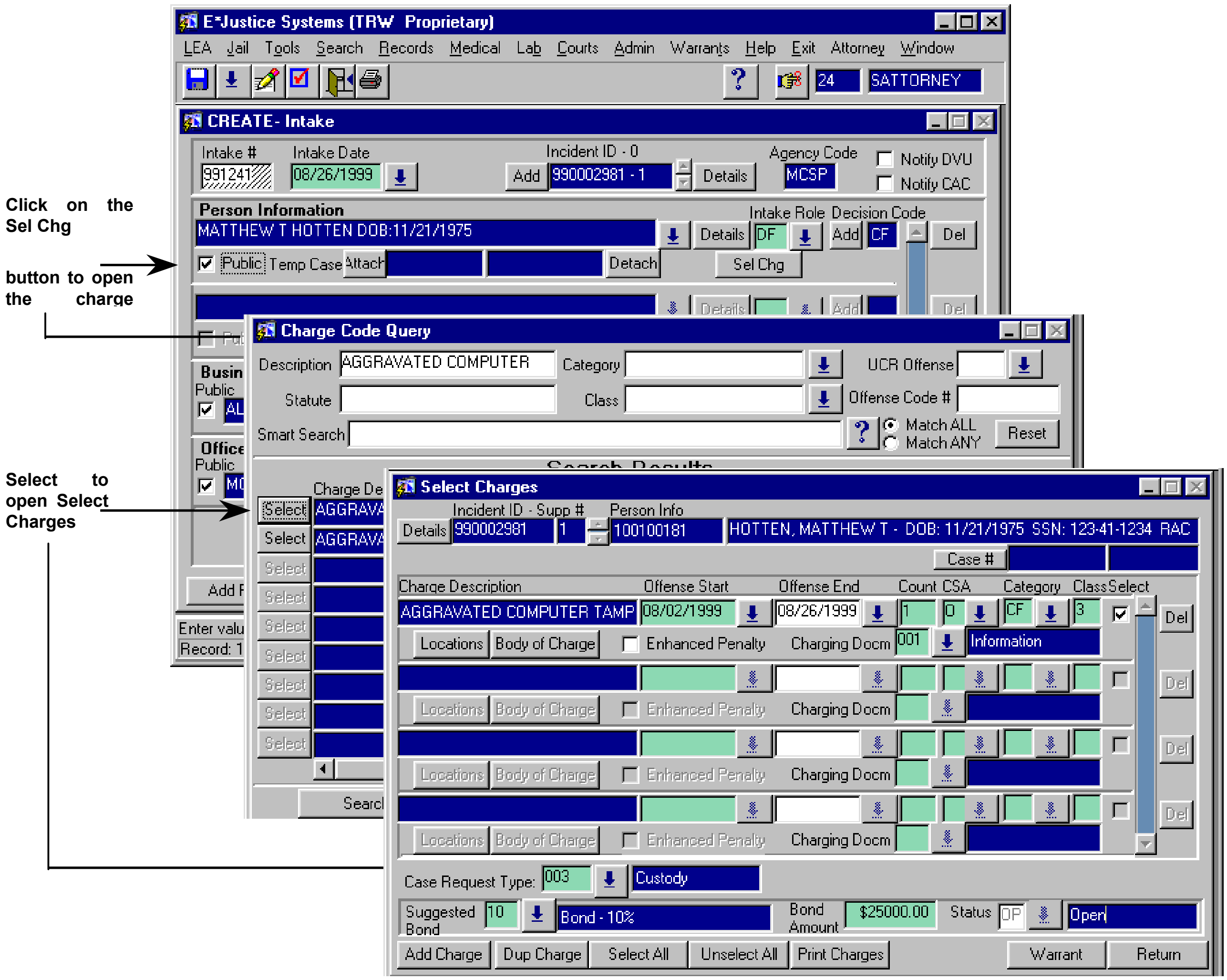


Exhibit 21. Select Charges Screen

Assign Attorney: Supervisors in the Prosecutor's and Public Defender's offices can assign an attorney to a case and track attorney assignment history. The **Court Case/Attorney Management** screen lists the assigned judge, charge or violation classification, current case status, and the date the case was filed.

Review Attorney Case Load: A supervising attorney can review an attorney's case load and/or change the status of a case assigned to that attorney. Searching by charge classification will recalculate the number of cases assigned, pending, or closed.

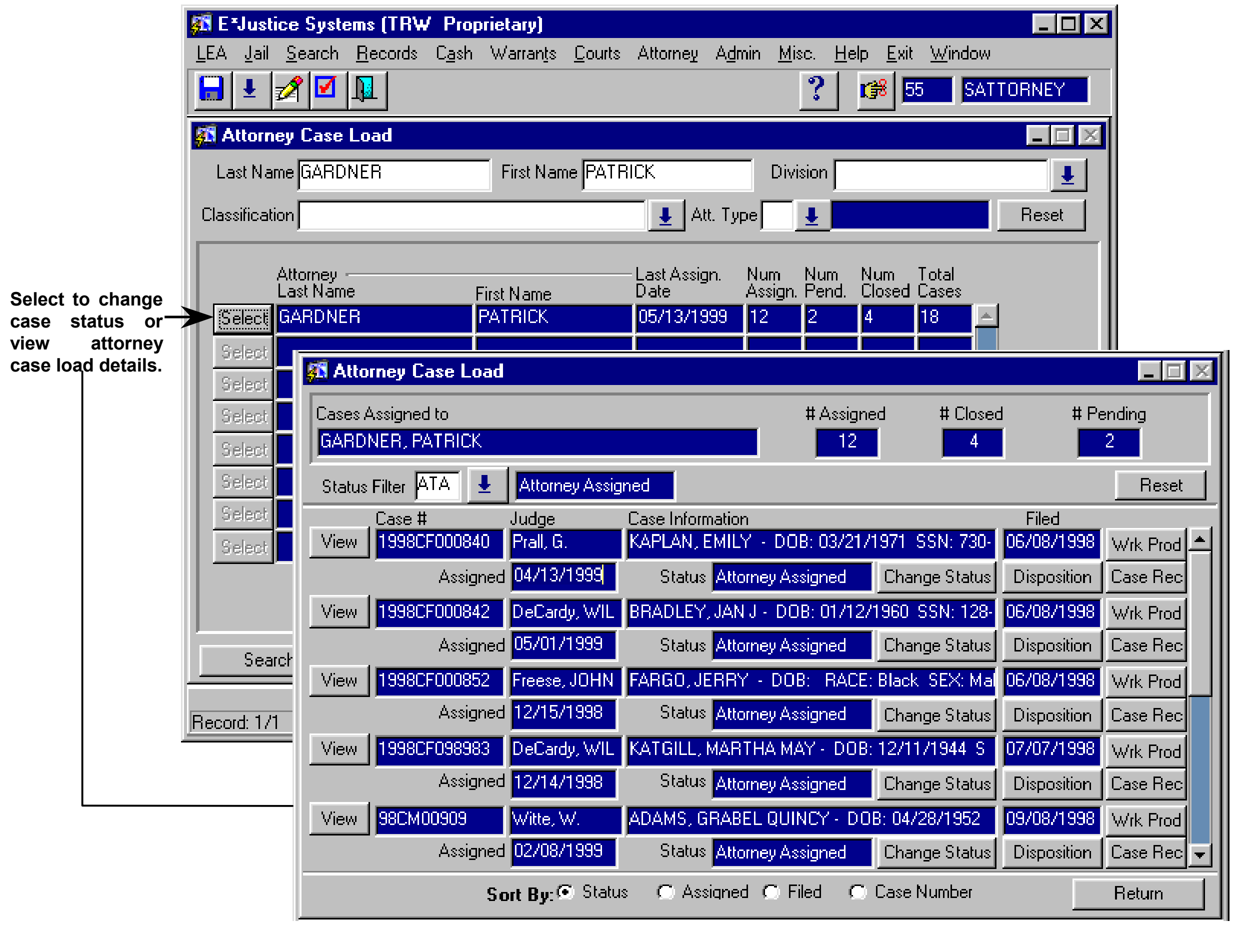


Exhibit 22. Review Attorney Case Load Screen

Attorney Case Load: Attorneys in the Prosecutor's and Public Defender's offices use the **Case Load** screen to maintain their case load. The screen tracks the total number of case types assigned to the attorney (i.e., assigned, pending or closed) and displays case summary data based on case status. Attorneys can view details about a case, view or enter case disposition data, change the status of a case or to enter **Work Product** and **Case Record** data.

E*Court Papers Module (Attorneys)

The E*Court Papers civil process module generates subpoenas, notices, and other types of court papers issued by attorneys from a pick list on the active screen. Court papers can be generated and issued separately or in a batch session. Custom reports and documents can also be created by the user and linked to the appropriate court paper pick list.

E*Justice Probation Suite

The E*Justice Probation Suite includes read-only access to these main modules:

+ **E*Arrest** (access to Arrest Information)
  - See description under E*Justice Law Enforcement Suite
+ **E*Jail Management** (access to selected Jail Management information)
  - See description under E*Justice Jail Management Suite
+ **E*Caseman** (access to Court Automated Record Sheet and sentencing information)
+ **E*Calendar** (access to Calendar and Scheduling information)
+ **E*Cashman** (access to probationer financial obligations and payment information)
  - See description under E*Justice Courts/Attorneys Suite

*E*Caseman Module (Probation)*

Extensions to E*Caseman for the Probation Suite, being developed during Year 2000, will include the following:

+ Intake specific to the Probation function, probation level classification tools, and ability to assign cases to probation officers
+ Pre-sentence investigation, allowing a probation officer to combine information in the database about the offense with compiled information on criminal history, previous incarceration, victims, family, employment, education, and substance abuse/treatment, to produce a formatted report
+ Supervision/reporting, including contact log allowing a probation officer to record date/time of office and home visits, telephone contacts, results of urine and drug screens, violations, and other events
+ Document management for preparing text of reports and requests to revoke
+ Rosters of probation officers and service providers
+ Caseload management of probation officers
+ Queries and statistical reports on caseloads by probation officer or type of case
+ Proactive notifications associated with every major event during probation case management, including orders from the court for PSI and sentencing, arrest and release of probationer from jail, warrant for probationer, hearings scheduled involving probationer, petition to revoke filed, and review/approval by supervisor of intakes and investigations.

E*Justice Core Functions

The E*Justice Core Functions, available to all users, includes these main components:

+ **E*Notifications** (Notification Management - Workflow)
+ **E*Warrants** (Warrants creation and issuance)
+ **E*Records** (Records Management)
+ **E*Docman** (Document Management)
+ **E*Imaging** (People, Documents, Property, etc.)
+ **E*Admin** (System and Database Administration available to Data Base Administrator only)
+ **E*Help** (On-line windows standard help which matches printed documentation)

*E*Notifications Module*

E*Notifications is a unique feature of the E*Justice System - it is the proactive notification module. In designing this module, TRW addressed the workflow dynamics of the justice community based on the precept that workflows are not linear, but multi-dimensional. The Notification function informs users intra-departmentally or in another department or agency of an event that has occurred, or of an action that needs to be carried out. Using E*Notifications, E*Justice System can capture information once at the source and then make this information available to other authorized users who need to know.

E*Notifications functions in two ways: First, a proactive notification notifies specific users when an action needs to be taken by that user. The notifications are automatically generated and delivered on an event-driven basis. Second, E*Notifications facilitates the automatic movement of data from one module into the appropriate screens and data structures of another module and automatically stores or forwards it to users and/or files.

A user's list of notifications is a "to-do" list." The user can filter notifications by type, details, date/time, or priority. When the user clicks the *Action* button, E*Justice displays the data in context, ready for the user to take appropriate action. After completing an action on a notification, it may automatically be deleted from the notification list or saved. However, "information notifications" are informational only, and will prompt the user to delete them after going to the appropriate screen. If a proactive notification is received, an action must be taken before the system will delete it.

The E*Justice system setup provides a table-driven process which allows the customer to customize E*Notifications to match their workflow processes and approval roles. E*Notifications is expanded and applied to each module of the E*Justice System as they are developed.

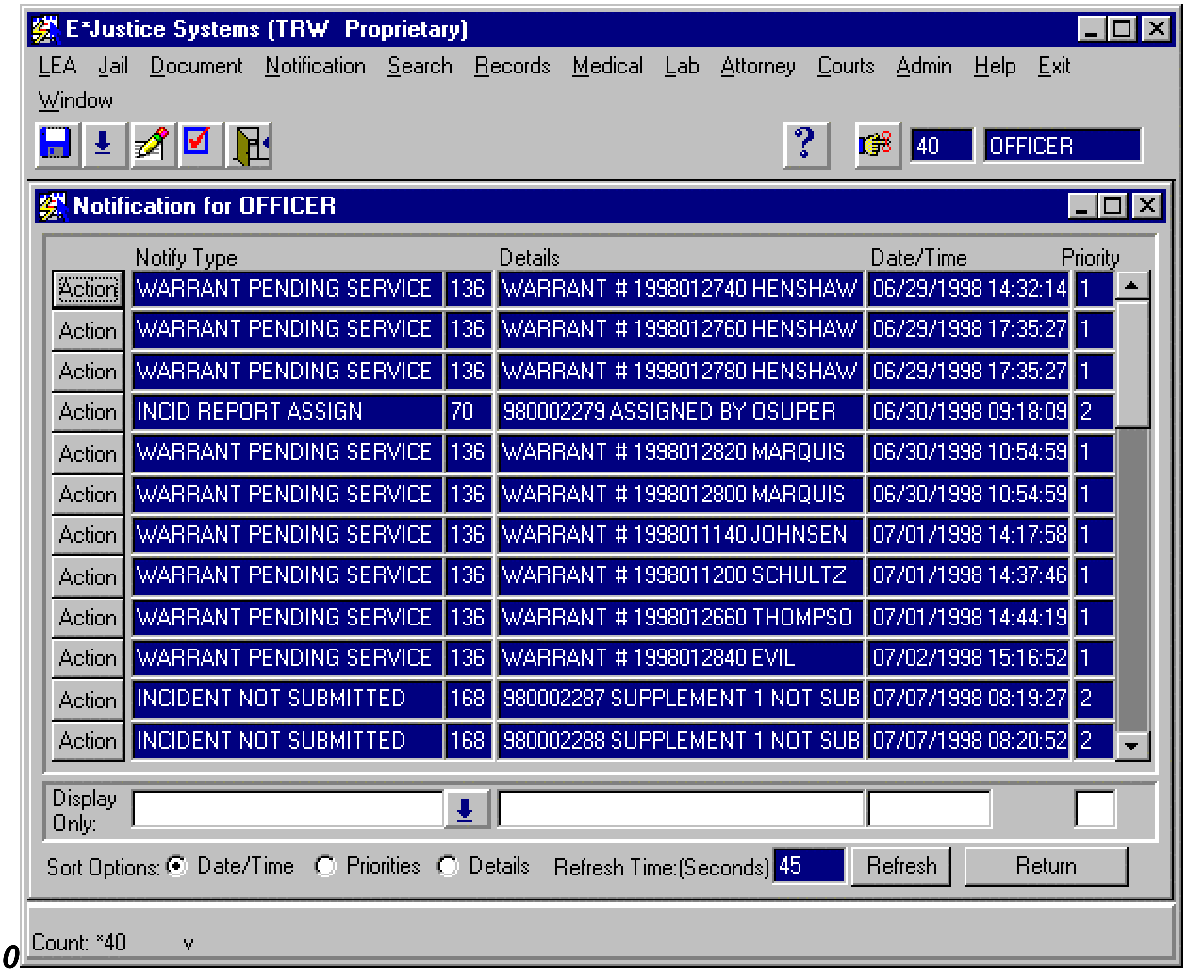


Exhibit 23. E*Justice Notifications Screen

E*Warrants Module

E*Warrants manages the complete workflow of warrants beginning with the court's order to issue a warrant based on the directives of the District Attorney's (DAs) office and the Court, to serving of the warrant, and if necessary, the recall of a warrant. As warrants are created, activated, served, or recalled, information is entered into the system that updates the record, tracks the status of the warrant, and generates notifications to those users who are responsible for serving the warrant and/or maintaining the warrant information. E*Booking, for example, records warrant information when an arrest is made involving a warrant.

Additional information recorded as part of a warrant record includes requesting attorney information, service information, warrant comments, and warrant fee and collection data. A warrant calendar is also available to the prosecuting attorney to review and/or recommend a recall or retention of a warrant. E*Warrants interfaces with the State systems to report new warrants issued by a County, and to clear warrants issued by the County after they have been served.

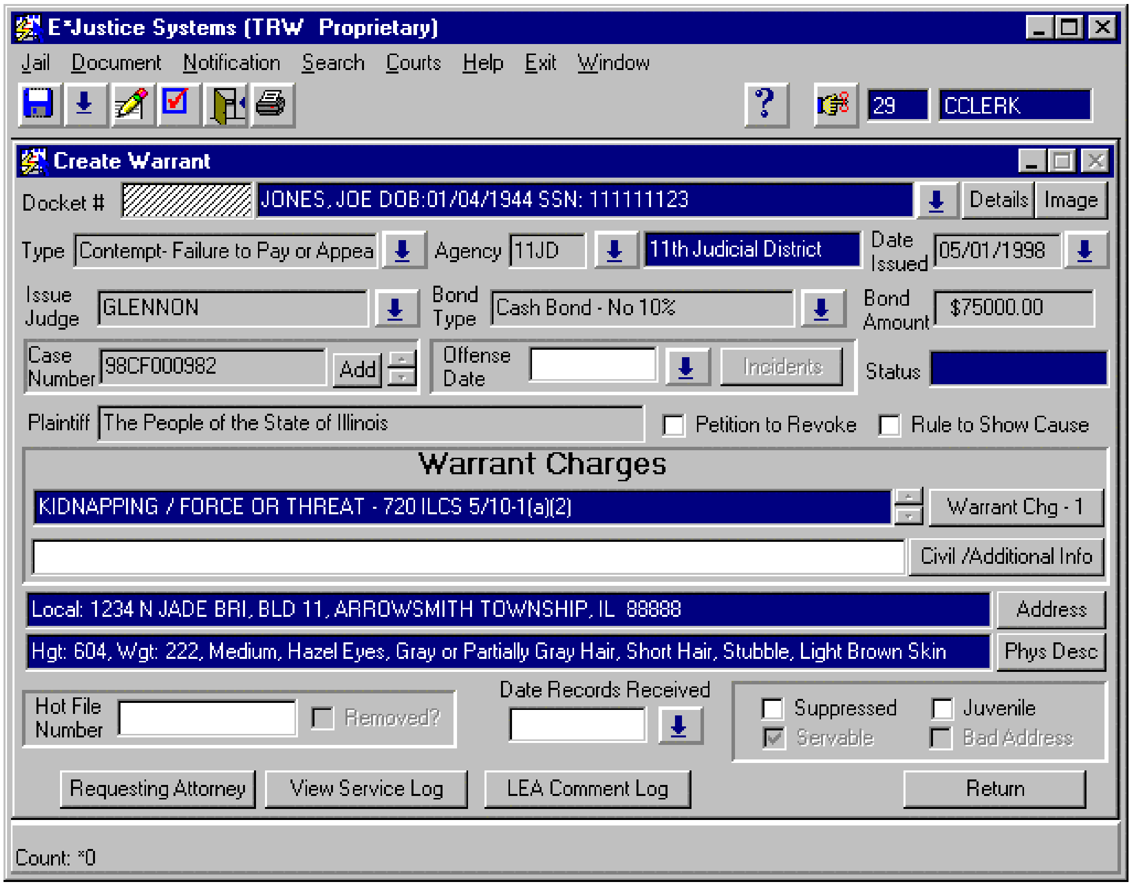


Exhibit 24. E*Justice Warrant Window

*E*Records Module*

E*Records provides multiple utilities to manage and maintain data integrity across the entire system. The majority of functionality centers around quality control of data entered into the system, maintaining that information, and releasing the information to other users and the public when required. Here duplicate records can be purged and data entry errors corrected. Functions include various search utilities; management of incident reports, warrants, and jail information; and maintenance of the master name and master business indexes.

The Records Management functions available are represented by buttons in the Records Tabs Window.

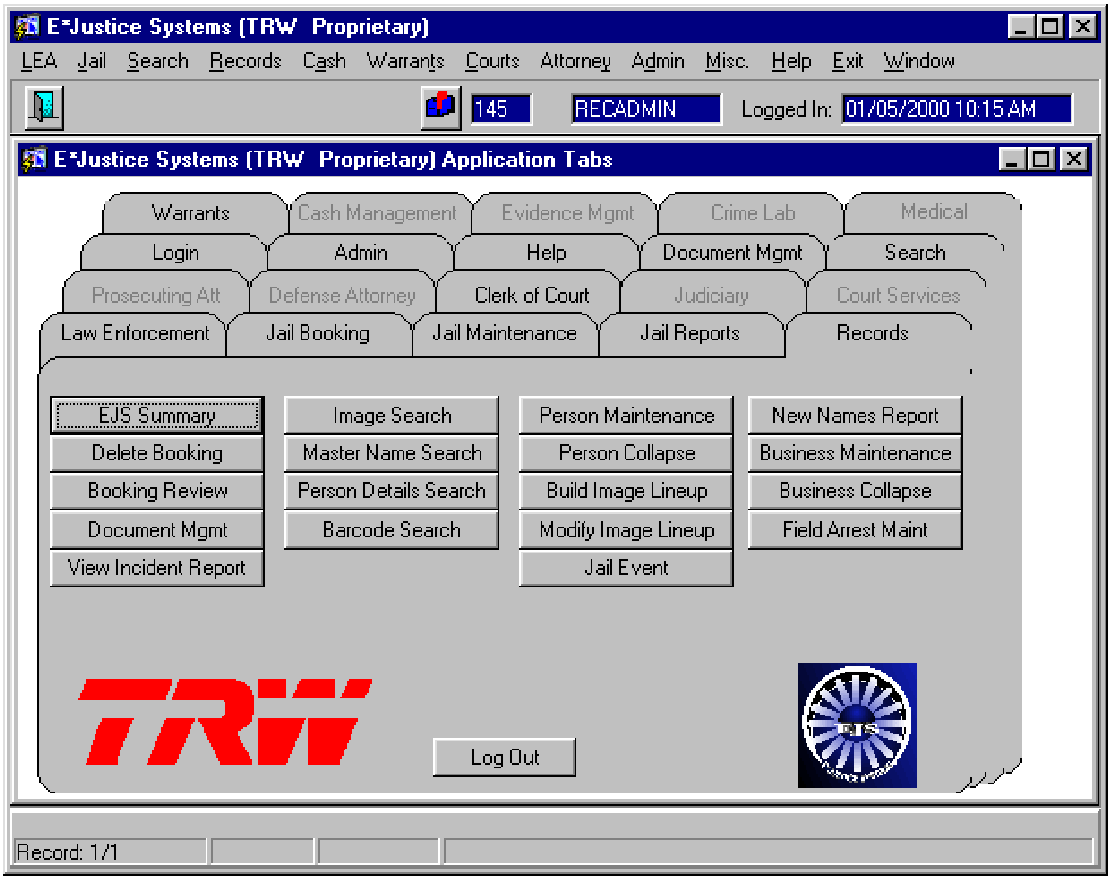


Exhibit 25. E*Justice Records Tabs Window

Jail management functions included in the E*Records module are: Booking Review, Delete Booking, Person Maintenance, Person Collapse, Person Details Search, Build Image Lineup, and Modify Image Lineup. When a booking is completed or a release is finalized, a notification is generated to inform the Records staff to conduct a Booking Review. A Booking Review is a default flow of screens used to confirm the accuracy of booking information for an inmate. For instance, when it has been determined that the same person is in the system more than one time the Person Collapse function can be used to consolidate all the records from the redundant entries into one record. The Person Maintenance function is also intended for use by the Records staff to record FBI and State ID numbers for inmates. This function is also used to correct an inmate's master name index information including last name, first name, middle name, date of birth, and social security number. Once entered into the system, the primary name information can only be changed by the Records staff. The Records staff also has the ability to create and modify electronic lineups. These lineups are created using actual mugshots captured by the E*Booking module. The Person Details Search allows a search of the master name index by using various details associated with the master name index such as physical description, address, phones, vehicles, Scars, Marks, Tattoos (SMTs), miscellaneous IDs, or a combination of these categories. This search function also provides partial key and wildcard search capabilities.

E*Docman Module

E*Docman provides an interface from the E*Justice application to the resident word processor and the system's library of batch reports. The word processing interface allows you to generate a document based on a template that relates to a case or person. The report interface allows you to search for a report in a specific category, view the report data, and then print the report.

Word processing templates are connected to the E*Docman module through a user-maintainable table that includes the ability to specify which users have access to generate which templates. This makes it possible to call the document template from within E*Justice. Demographic information related to a person is passed from E*Justice and is incorporated in the template. Included in the demographic information is the latest mugshot captured in the E*Booking module for an inmate. Examples of documents which would be candidates for this type of functionality include: Wanted Posters, Bond Forms, Subpoenas, Summonses, and any kind of form letter such as Victim / Witness Notices.

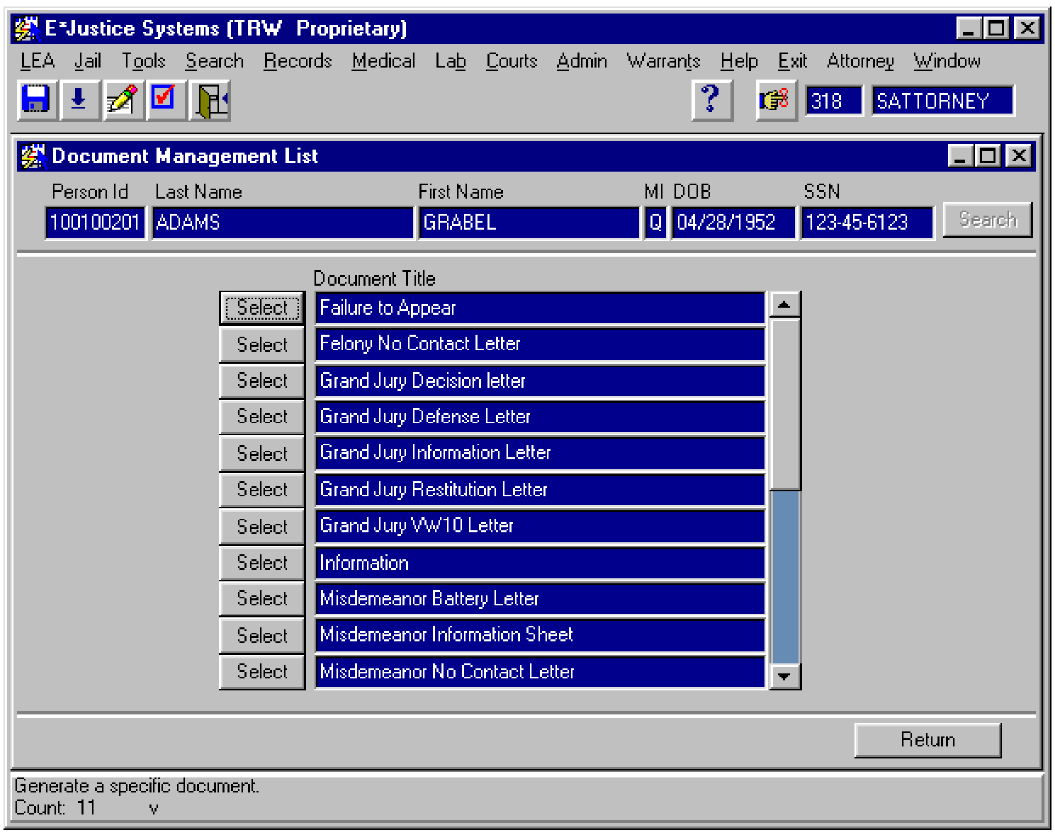


Exhibit 26. Sample Document Management Window

E*Imaging Module

E*Imaging expands on the E*Booking module's ability to capture mugshots and the ability within other modules to attach images to people, incidents, vehicles, property/evidence, and SMTs. The image control screen allows any image in the system to be manipulated using zoom-in, zoom-out, zoom area functions. Other features available on the image control screen include the ability to export the image in a variety of industry standard formats (i.e., TIFF, JPEG, BMP, etc.) and the ability to print a hard copy of the image in a user-determined size (2x2, 3x3, 4x4, full page).

Two other components of the E*Imaging module are the Image Search and Witness Search functions. These components provide a scrolling list of mugshots that can be used by a witness to look for suspects. The list of mugshots is compiled based on physical description parameters entered by the user. Another component available in the E*Imaging module is the ability to build and save an electronic lineup. Beginning with the mugshot for a known suspect, up to five other mugshots for individuals with physical characteristics similar to the suspect can be combined to create a lineup. A witness can then view the lineup either online or in a printed form to identify potential suspects.

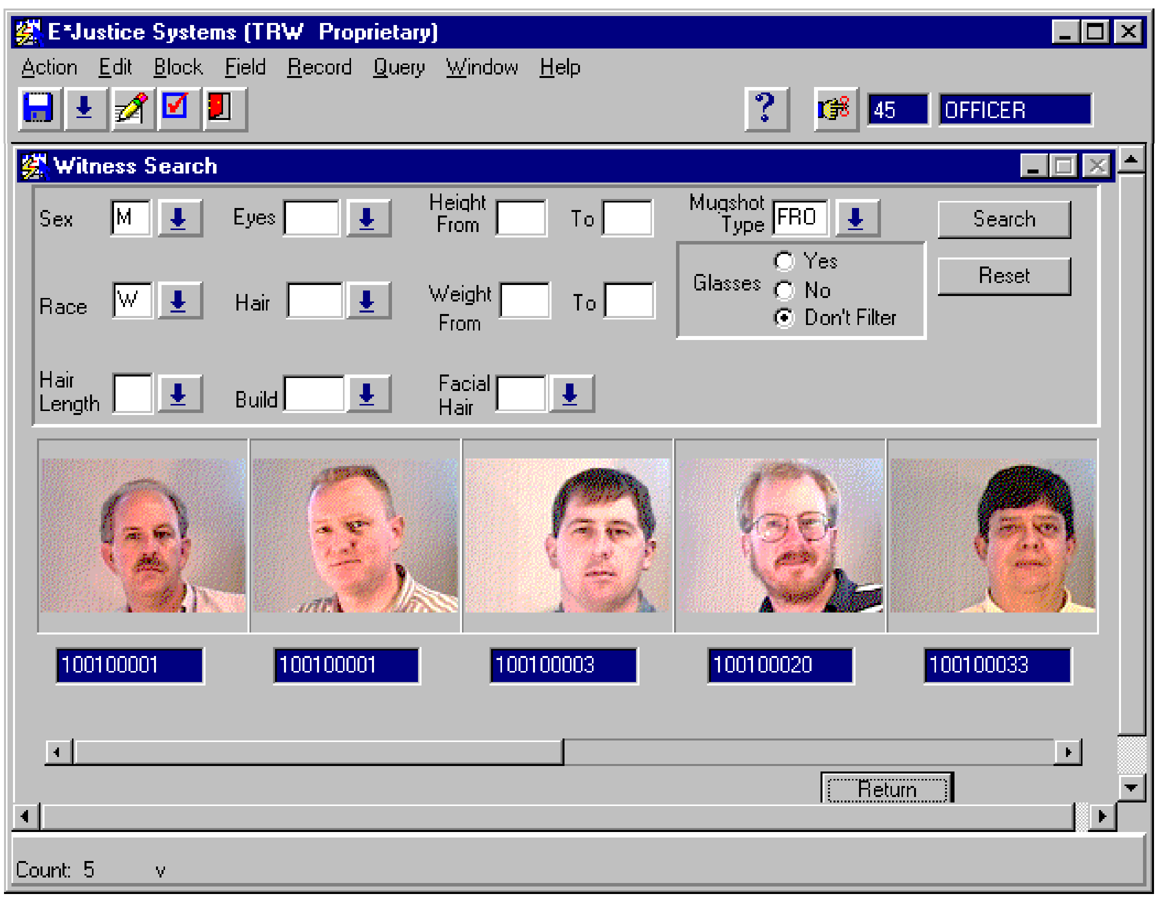


Exhibit 27. E*Justice Witness Search Window

*E*Admin Module*

System administration and code table customization at each installation site is accomplished using the E*Admin module. This module is available only to authorized users. Examples of tasks performed using this module are administration of user accounts, security administration, and code table maintenance.

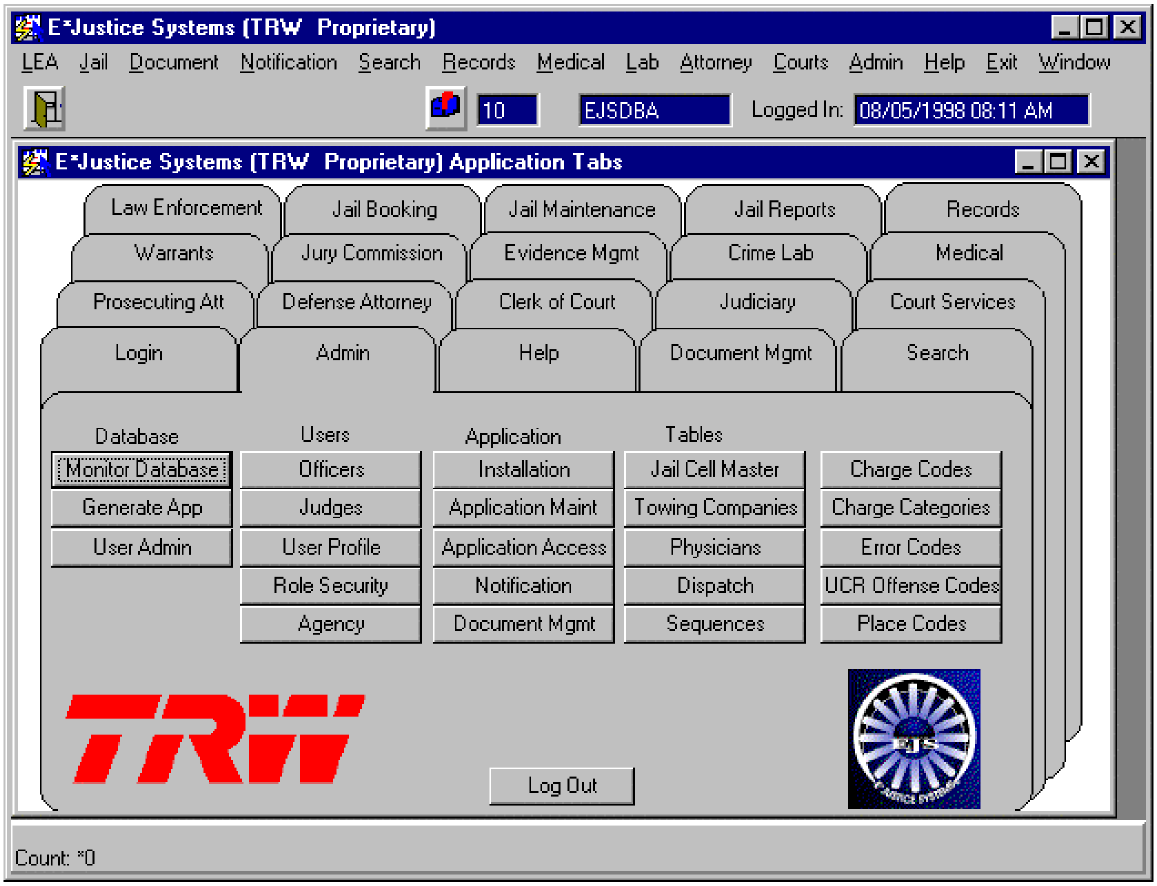


Exhibit 28. E*Justice E*Admin Tabs Window

E*Help Module

The E*Help module provides a comprehensive on-line help system which provides step-by-step instructions to assist in using and understanding the EJS modules. Help can be accessed through several ways within the application. For example, from the Applications Tabs window, select the **Help** tab, then click on the **On-line Help** button. From within a module, select **Help** from the menu at the top of the screen, or press the **F1** key. Information is presented in the standard Windows hypertext help format.

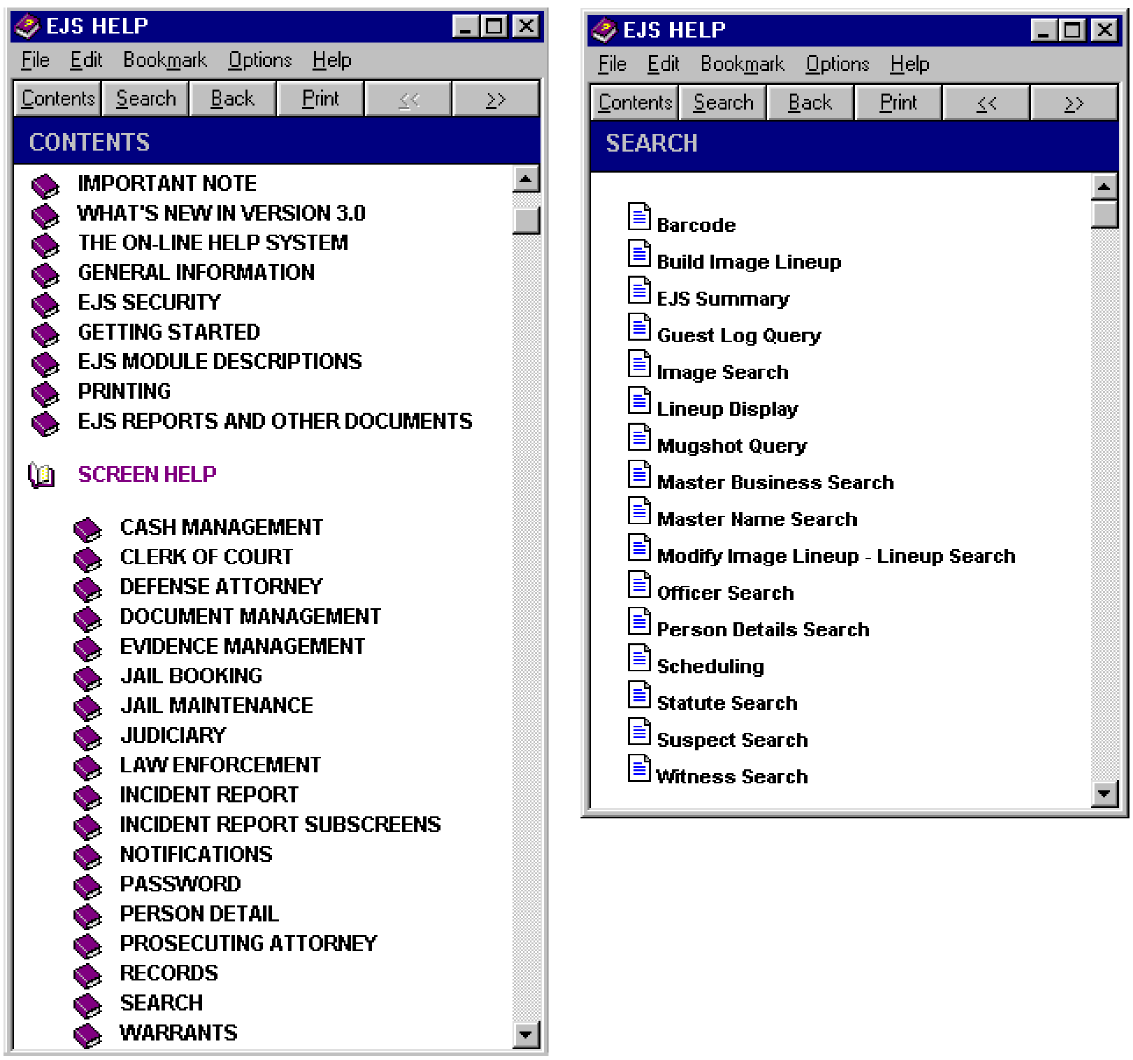


Exhibit 29. E*Help On-line Help Contents and Topics

High-Level Description of Major TRW E*Justice System Functions

User Interface and Application Navigation

The E*Justice System is comprised of system components or modules, each of which serve a specific function within the justice environment and each of which are fully integrated with the other E*Justice modules. Exhibit 30 illustrates the E*Justice logon screen showing each of the major "Tabs" of our system. The Tabs are organized by function and depending on the user's security access, only those Tabs the user is authorized to open are available during a session – the tabs that are not accessible by that authorized use are indicated with gray text.

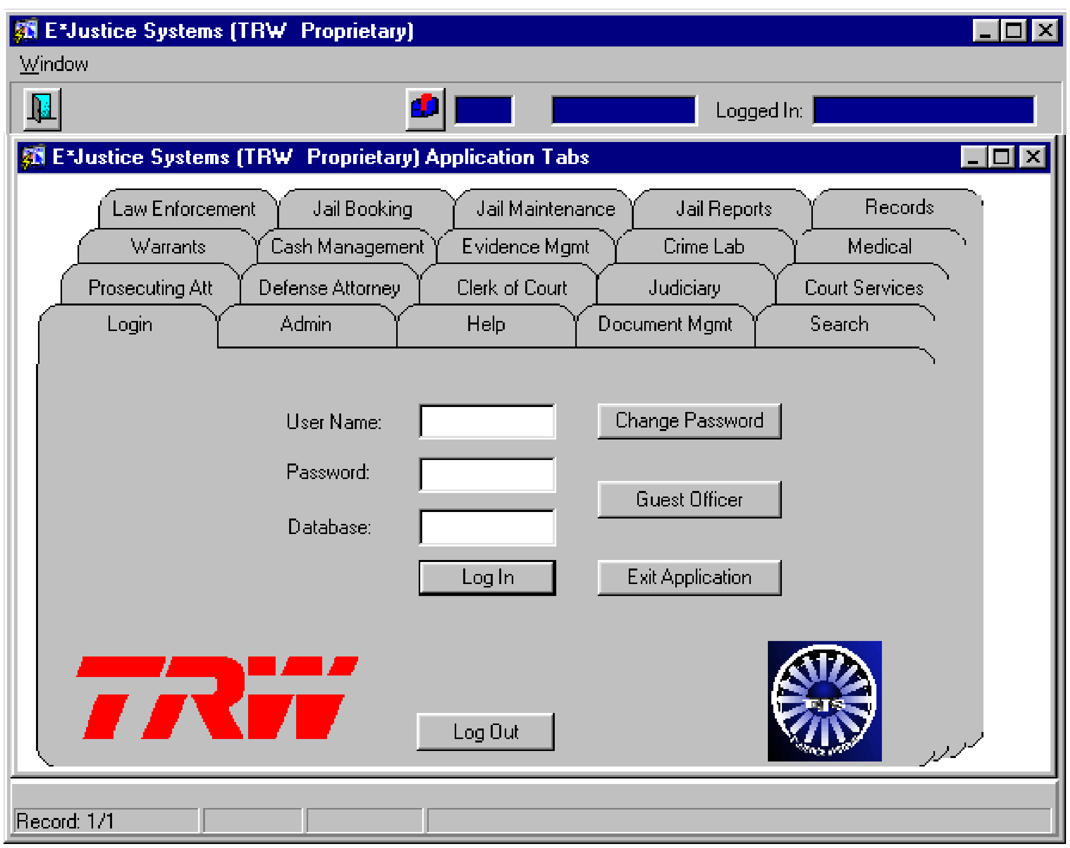


Exhibit 30. Major Tabs of the E*Justice System

Once a user signs on and selects a particular Tab then lower level menu choices are offered as shown in Exhibit 31, the E*Justice Application Tabs window. Exhibit 32 identifies some of the screen features available to the user. As shown, the user selected the Law Enforcement Tab and lower level screen button options are displayed and available to the user.

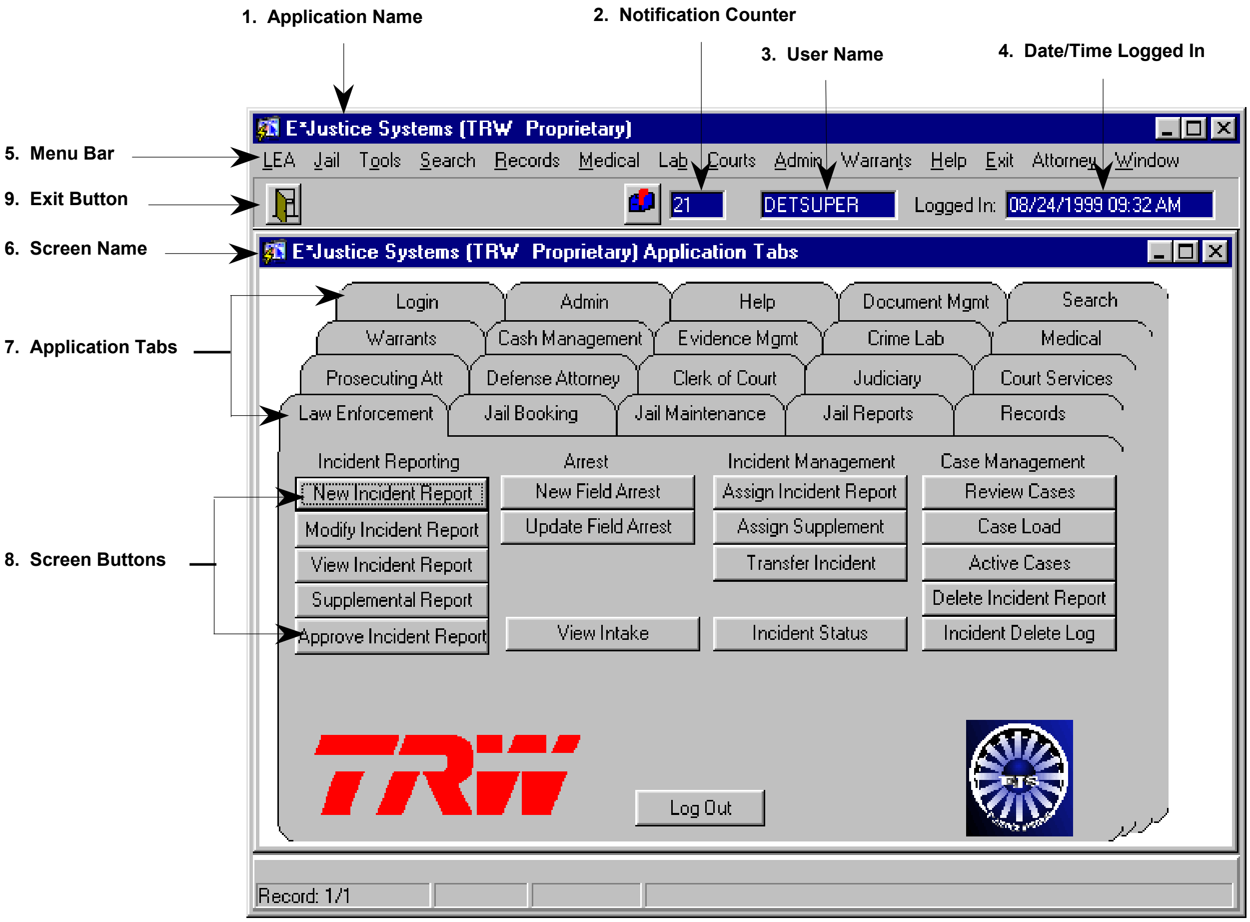


Exhibit 31. E*Justice Application Tabs Window

The following list provides information that walks you through the Application Tabs window. The numbered items below correspond with the number items shown in Exhibit 31.

1. **Application Name:** Displays the full name of TRW E*Justice System™.

2. **Notification Counter:** Displays the number of notifications the user has received. When opened, it informs the user at a glance whether it is necessary to act on a notification.

3. **User Name:** Displays the user name of the person who is currently logged onto the system. This is important so that another user knows whether it is necessary to log in using their own user name. User names are assigned by the County Administrator.

4. **Data/Time Logged In:** Displays the date and time the current user logged onto the E*Justice System.

5. **Menu Bar:** The menu bar contains commands used to carry out an action (e.g., search, help, and exit) and display a dialog box from which you can select options. Application tabs are also grouped in pull down menus and can be used to navigate to other modules within the

system.

6. **Screen Name:** Displays the name of the active screen.

7. **Application Tabs:** Displays all modules available in E*Justice. Tabs with black letters are accessible. Tabs that are dimmed are not accessible to the logged in user role.

8. **Screen Buttons:** Displays screens for an individual tab that is selected. Use the mouse or tab key to proceed to a specific screen.

9. **Exit Button:** The exit button at the top of the screen exists the E*Justice System. This is only accessible from this screen and allows the user to bypass the **Log Out** and **Exit Application** buttons.

Screen Elements

Depending on the user's selection of a screen button option, a variety of data entry, report, or information screens will be displayed. The following represents a search utility screen and illustrates the typical user-friendly features found on most E*Justice screens.

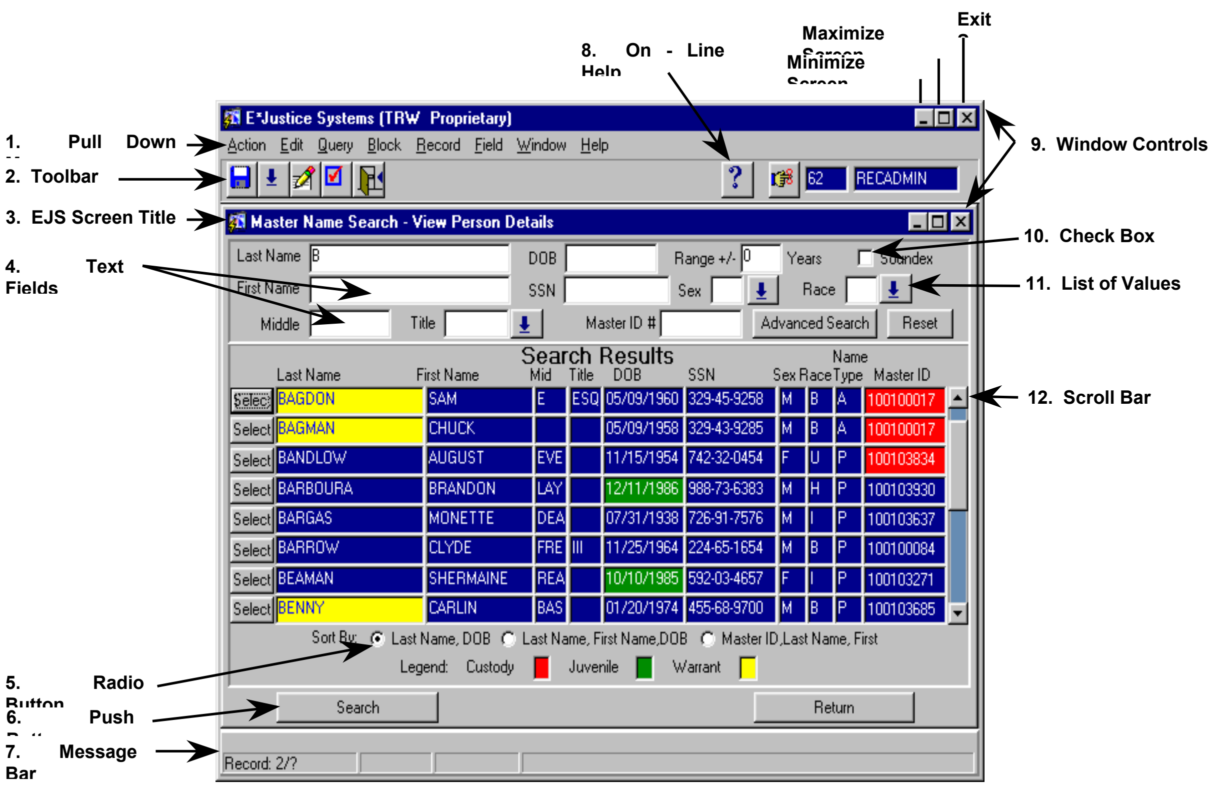


*Exhibit 32. E*Justice Screen Elements*

The following list provides a brief description of those elements that are shared between the

Application Tabs window and a module screen. The numbered items below correspond with the number items that are specific to the screen displayed in the exhibit above.

1. **Pull Down Menus:** Contain available menus from which you can choose commands. Application tabs are also grouped in pull down menus and can be used to navigate to other modules within the system.

2. **Toolbar**: Provides quick access to commonly used commands. Moving the mouse pointer over a toolbar icon will display the command associated with the icon. The EJS toolbar can also be customized to link an auxiliary button to any EJS screen or report, external software package or custom-built form.

3. **EJS Screen Title:** Displays the name of the active screen.

4. **Text Fields:** Fields used by the user to enter information.

5. **Radio Buttons:** Turns an option on or off. You can select only one option at a time. If an option has already been selected, your current selection replaces it.

6. **Push Buttons:** Navigates to the next screen or executes an action.

7. **Message Line**: Provides information about the active screen, the field you are working in or if the system encountered an error.

8. **On-line Help:** Activates the on-line Help system.

9. **Window Controls:** Enlarges or decreases the size of the active window. Also used to exit a screen.

10. **Check Box:** Turns an option on or off. Multiple options can be selected.

11. **List of Values:** Provides a list of choices from which the user can select. If there are more choices than can fit in the viewing area, a scroll bar is provided.

12. **Scroll Bar:** Moves the viewing area of the screen up or down to display additional information. If all information is displayed in the window, the scroll bar may be absent or dimmed to indicate that it cannot be used.

NOTE: **Another significant feature displayed on many of the EJS screens is a red flashing signal that informs the user of the status of the selected individual. This signal alerts the user if the person is in custody, if the person is named in an active warrant or if the person is a juvenile.**

Workflow in E*Justice

The fundamental issue about workflow in an information system is: Are users locked into pre-defined workflows, not of their choosing, and can they change workflow to suit their local way of doing things? Every jurisdiction says, "We do things different here."

Workflow manages where, to whom, and when a unit of work is to go next in the business flow. Workflow is an integral part of the E*Justice System, not tacked on as an after-thought. It is fully configurable to the needs of a jurisdiction, to let users set up workflow "their way."

Milestones in the Criminal Justice Process

+ When an officer makes a field arrest, the booking officer at the jail must review and approve the arrest to keep the suspect in custody at the jail.
+ When an officer prepares an incident report, the officer's supervisor must review and approve the report (or send it back with comments for revision) before the report becomes a matter of record in the department.
+ A law enforcement supervisor chooses whether and when to refer an approved incident report to a prosecutor for intake (screening and possibly filing the charge in the court), or to refer the charges back to detectives for more investigation.
+ A prosecutor who has screened charges requests a next-available case number from the clerk of court, which prompts the clerk to verify the person and charge information before generating the case number.
+ When a judge signs an order issuing an arrest warrant, the clerk of court creates the warrant on-line and the system automatically notifies appropriate Dispatch and Records users. If a judge recalls a warrant, the system automatically prints a Recall Order and notifies Dispatch, Records, and the prosecuting attorney.
+ When an accounting clerk in the clerk of court's office prepares a disbursement or bond refund, the accounting supervisor must review the transaction and approve it before it can proceed.

These milestones – field arrest, incident report, intake, case filing, warrant issue/recall, financial transaction – are all common to the criminal justice process, and involve a decision by one role to send the work-in-progress to another role for action. E*Justice accomplishes this through Proactive Notifications and EJS Notifications.

Proactive Notifications

E*Justice implements workflow with Proactive Notifications which inform users intra-departmentally or in another department or agency of an event that has occurred, or of an action that needs to be carried out in E*Justice. A user's list of notifications is a "to-do" list of tasks, and pressing the 'Action' button opens the relevant screen populated with data ready for action.

During installation of E*Justice (and later as the need arises), each jurisdiction can select the Proactive Notifications it wants as the backbone of its workflow, and what priority a particular type of notification will have. A jurisdiction may have 100 or more Proactive Notification types relating to Incidents, Field Arrests, Intakes, Warrants, Releases, and other business processes. E*Justice allows each installation to define roles for people, and roles form a basis for the security infrastructure. Generally, a role corresponds to a job title, and a typical E*Justice installation has 30 to 60 roles. Each person has a role in the process, and Proactive Notifications are directed to a certain role.

EJS Notifications

Users can notify other roles or individuals of exceptions and data mistakes with EJS Notifications. An Information EJS Notification is like an e-mail message, which the receiver can reply to or delete. A Records EJS Notification opens the Person Detail screen with a message of a misspelled name or other error that should be corrected.

Future TRW E*Justice System Enhancements

TRW designed E*Justice to be highly modular, flexible, and scaleable so that new capabilities could be easily added to the core system to reflect both our customer's needs and new products or technology available in the market place.

Interfaces with Software and Hardware Systems

For example, TRW is working with several Computer Aided Dispatch (CAD) and E911 companies in order to offer standard interface modules to easily integrate those systems into our E*Justice solution. Similarly E*Justice can share data with various AFIS LiveScan products from Identix, DBI, NEC, and Printrak. E*Justice currently also provides an interface to any system that supports import and export of NIST standard offender data.

Other technologies offer exciting potential improvements to the E*Justice Core Suite. They include improved use of Mobile Data Computers (MDCs), Personal Digital Assistants (PDAs), wireless field reporting, intelligence, personnel, and vehicle records management. TRW is developing links to Geographical Information Systems (GIS) to provide Crime Mapping and Crime Analysis. TRW is also exploring the use of computer-based video conferencing to integrate E*Justice into Video Arraignment systems.

TRW will continue to investigate emerging technologies and explore ways to apply them to the Integrated Justice process.

TRW E*Justice System Pricing Policy

TRW has established a flexible E*Justice System pricing policy that allows communities of all population sizes to consider purchase of our product. We base our software license fee on two factors: the number of concurrent users of the E*Justice software, and the specific applications desired by the customer. Our E*Justice software is currently configurable as four applications: Law Enforcement Records Management Suite, Jail Management Suite, Courts/Attorneys Suite, and Attorneys Suite.

In addition to the base license fee, we offer a series of related services that can be purchased on a Time and Materials (T&M) basis to include: system customization of screens, workflow methodology, reports, user training, custom interfaces to other systems (E911, financial systems, AFIS, other legacy systems), on-site support, and specialized maintenance programs.

Annual E*Justice maintenance is priced at a percentage of the E*Justice license fee depending on the number of days per week and the number of hours per day maintenance is required..

We recognize that many of our customers have negotiated favorable hardware and commercial software prices with numerous vendors and may purchase all necessary hardware, software, and network components using their own purchasing organizations. If that is the case, the customer takes responsibility for the installation and maintenance of those items. As a service to the customer, TRW will purchase any necessary hardware and software and apply only a nominal acquisition support fee to the base cost of the items.

TRW is also prepared to discuss an enterprise license arrangement that may offer significant benefits to the customer in situations where the use of E*Justice is expected to grow over time as more agencies agree to participate in the system and share criminal justice information.

Warranty and Maintenance

TRW warrants that E*Justice System software licensed to the client will conform to the contracted specification for 90 days after installation of the system. The warranty will of course reflect negotiated terms and conditions that are requested by the client to meet system requirements.

In addition, TRW offers a series of maintenance options that can be tailored to meet nearly every possible requirement from routine help desk and product upgrade services to full support to on-site operations.

TRW E*Justice System Summary

TRW takes great pride in building information systems that count for citizens and government alike.

Our E*Justice System was designed over a three year period with the intensive assistance of current and former members of the criminal justice community. E*Justice has been operational in McLean County, Illinois since 1997, and was implemented in Oklahoma County, Oklahoma; the City of Edmond, Oklahoma; and Bernalillo County, New Mexico. E*Justice delivers unparalleled flexibility and reliability, and offers significant productivity information management improvements to our customers in the following areas:

+ Streamlined workflow automation within and across departments
+ Improved data integrity and security
+ Quick and easy data sharing at local, regional and national levels
+ Greatly reduced data entry and redundancy
+ Reduced data storage and maintenance requirements
+ Conformance to Federal reporting standards
+ Easy interface capabilities to legacy or external systems
+ Flexible hardware and software configurations that can easy to maintain and expand to meet new requirements.

We encourage the reader to learn more about our solution by calling the following points of contact for more information and setting up a demonstration.

Points of Contact	***Phone Number / Fax Number***	***E-mail Address***
Web site: http://www.trw.com/ejustice/		
John P. Crouse	303-672-8985 / 303-672-8999	Ejustice.sales@trw.com

Integrated Justice is no longer just a concept. It is available today and the TRW E*Justice System is a proven technology for the criminal justice community.

TRW's Background and Experience

TRW is a multinational $11.9 billion company with approximately 130,000 employees around the world. The Systems & Information Technology Group (S&ITG) headquartered in Reston, Virginia (located just outside of Washington, DC) leads TRW's information technology business with approximately 17,000 employees offering expertise in systems and software development and integration.

TRW has a highly focused IT perspective -- a unique perspective that brings both business *and* technical expertise to bear on client challenges – in the public sector, industry, defense, and commercial enterprises. The focus is on results and responsiveness -- adding value, finding practical and effective IT solutions that produce real benefits, quickly. As a key component of TRW S&ITG, Public Safety Systems employs over 1,200 personnel dedicated to developing and integrating systems and solutions for Federal, State, Local, and International governments that require public safety systems – to include the TRW E*Justice System.

The staff's focus lies in designing, integrating, and managing information systems to strengthen the services delivered by State and Local governments. Our core capabilities lie in the design, development, and implementation of Integrated Justice Systems, federally certified Welfare Information Systems, and large communications projects. Key services include: legacy systems support and migration, network design and installation, end user training, large systems conversion, client-server software and systems development, data conversion, and large-scale project management.

TRW has a notable reputation for providing results-oriented leadership in the design, development, and integration of efforts such as the E*Justice System initiative. We understand the issues and challenges that state and local criminal justice agencies face today -- in budgets, staffing, communications, accountability, officer safety, and other areas. There is an increasing demand for new services. Operating environments are becoming more complex. There is a need for better tools and systems, more efficient resources, a stronger infrastructure in information processing, and ultimately, new ways to control the costs of these programs.

We provide cost-effective, value-added solutions that state and local governments require. Our clients include: the states of Alabama, Arizona, Arkansas, California, Colorado, Iowa, Michigan, Missouri, Montana, New Mexico, Texas, Utah, and Virginia, as well as the Commonwealth of Puerto Rico, the United Kingdom, and the Republic of South Africa.